

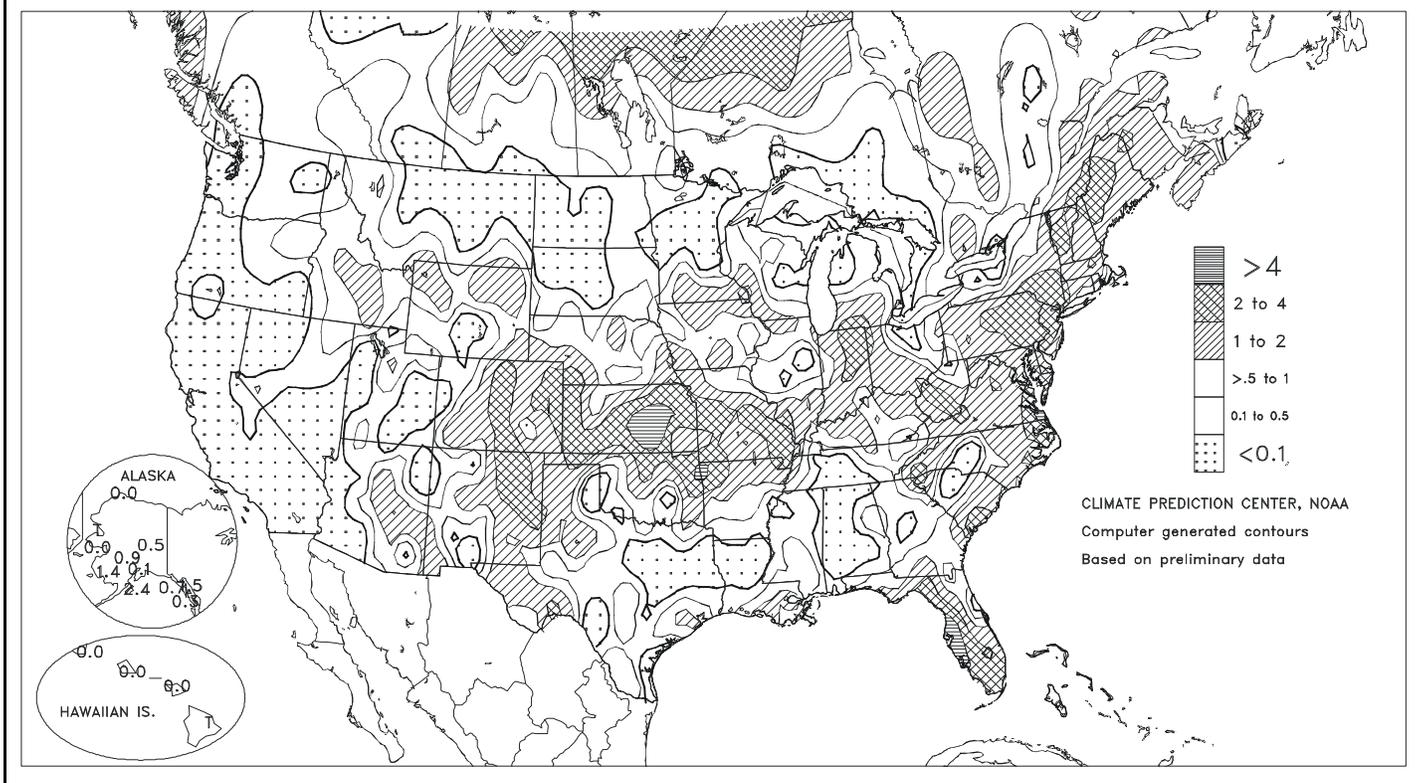
WEEKLY WEATHER AND CROP BULLETIN

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

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

Total Precipitation (Inches)

JUL 18 - 24, 2004



HIGHLIGHTS

July 18 - 24, 2004

Highlights provided by USDA/WAOB

A brief heat wave on the **Plains** was replaced by much cooler weather and widespread rainfall. Temperatures, which topped 100°F early in the week at many locations from **Texas to Montana**, averaged as much as 5°F below normal for the week on the **central High Plains**. Showers and thunderstorms on the **central and southern Plains** generally benefited summer crops and eased irrigation requirements but caused local flooding. However, rain largely bypassed the **northern Plains**, favoring winter wheat harvesting and spring wheat maturation. Farther east, cool weather (temperatures as much as 5°F below normal) and occasional showers

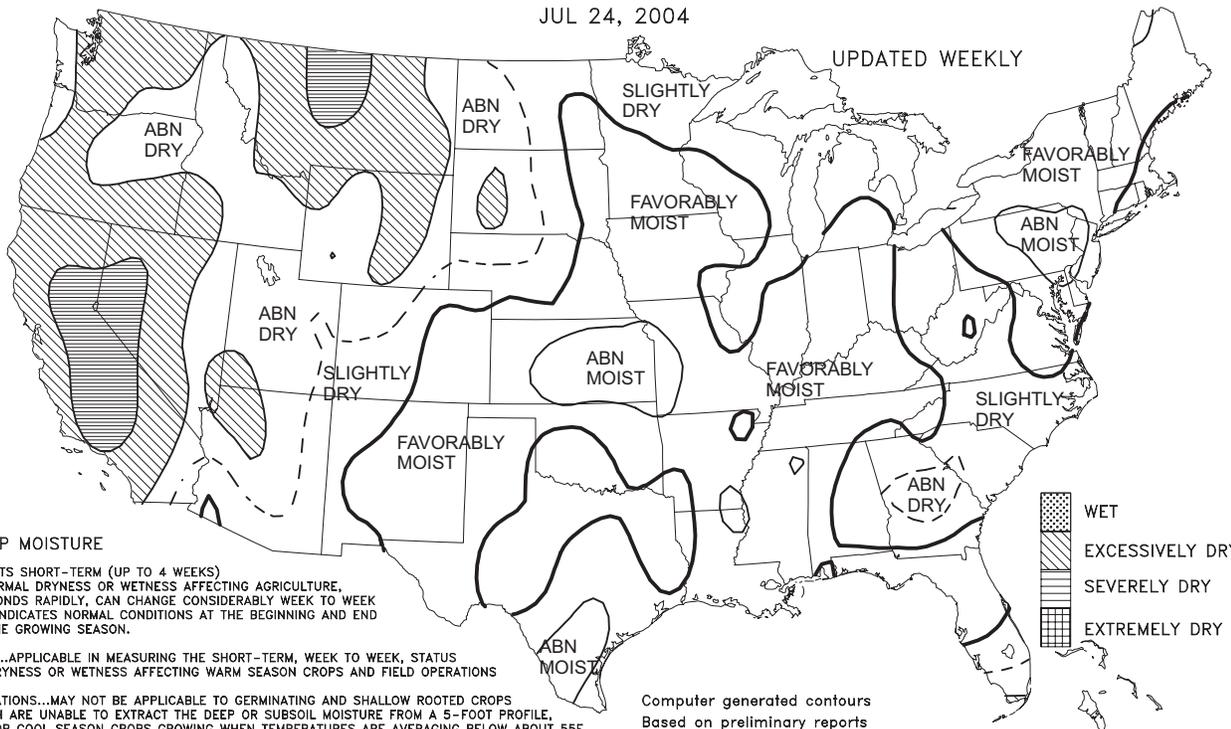
(Continued on page 5)

Contents

| | |
|---|----|
| Crop Moisture Maps | 2 |
| Palmer Drought Maps | 3 |
| Extreme Maximum & Minimum Temperature Maps | 4 |
| Temperature Departure Map | 5 |
| July 20 Drought Monitor & Pan Evaporation Map | 6 |
| Growing Degree Day Maps | 7 |
| Agricultural Weather Data Compiled by USDA's Stoneville Field Office | 8 |
| National Weather Data for Selected Cities | 9 |
| Crop Progress and Condition Tables | 12 |
| National Agricultural Summary | 16 |
| State Agricultural Summaries | 17 |
| International Weather and Crop Summary | 23 |
| Subscription Information | 28 |

Crop Moisture
SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE
JUL 24, 2004

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.

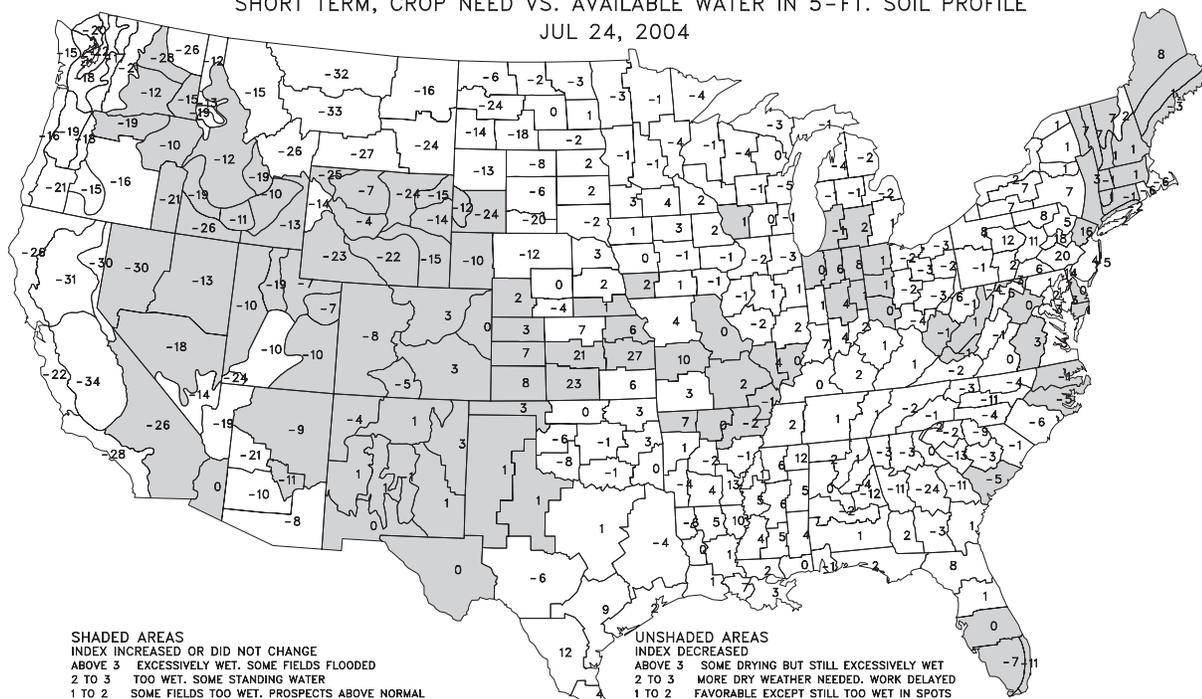
USES...APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS

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 24, 2004



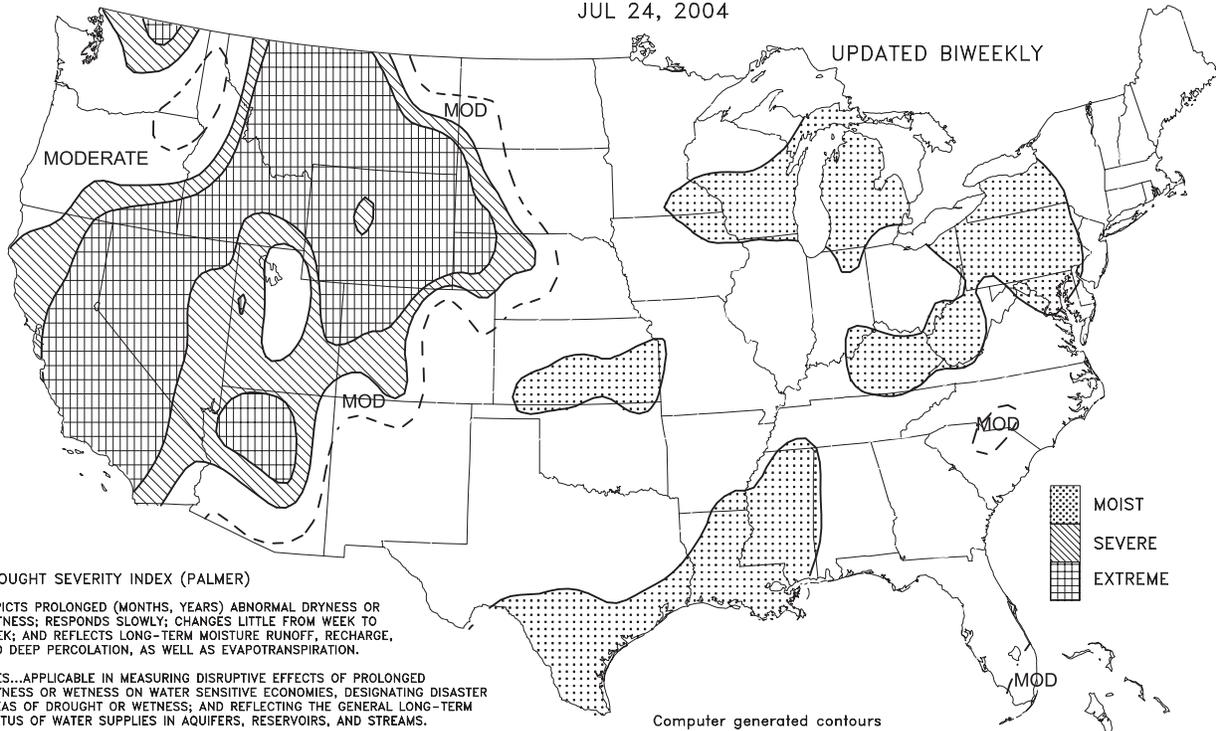
SHADED AREAS
INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED
2 TO 3 TOO WET. SOME STANDING WATER
1 TO 2 SOME FIELDS TOO WET. PROSPECTS ABOVE NORMAL
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT 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 24, 2004



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.

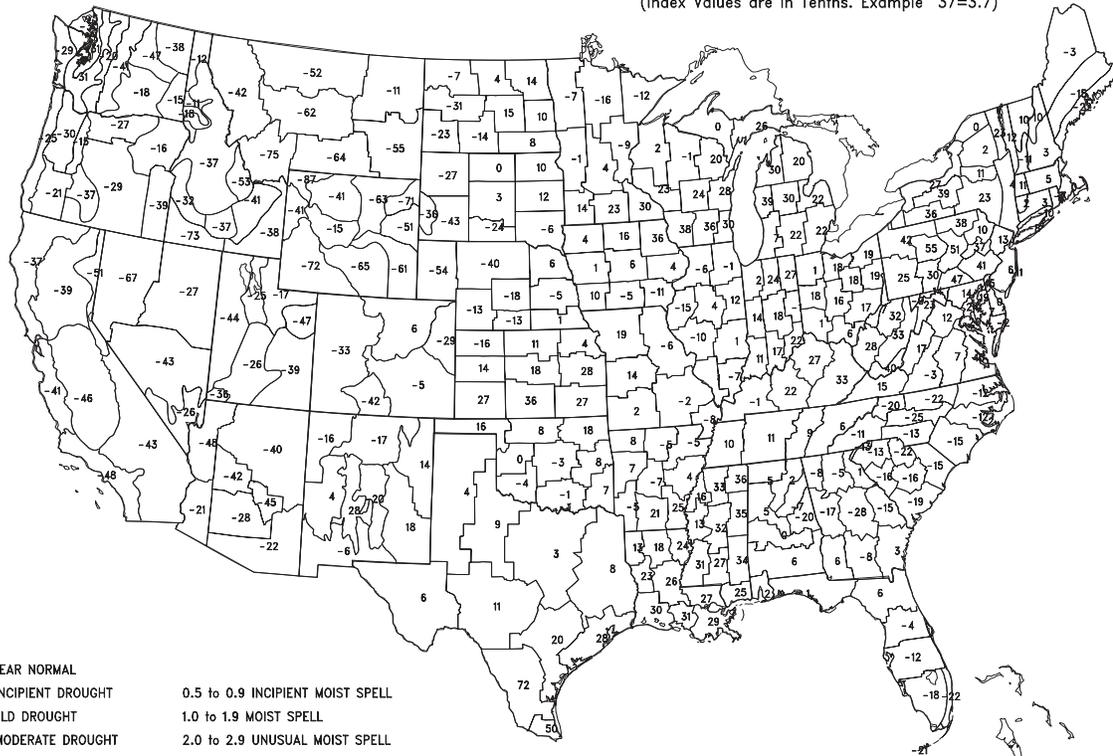
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).

Computer generated contours
Based on preliminary reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Drought Severity Index by Division
JUL 24, 2004
(Long Term Palmer)

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



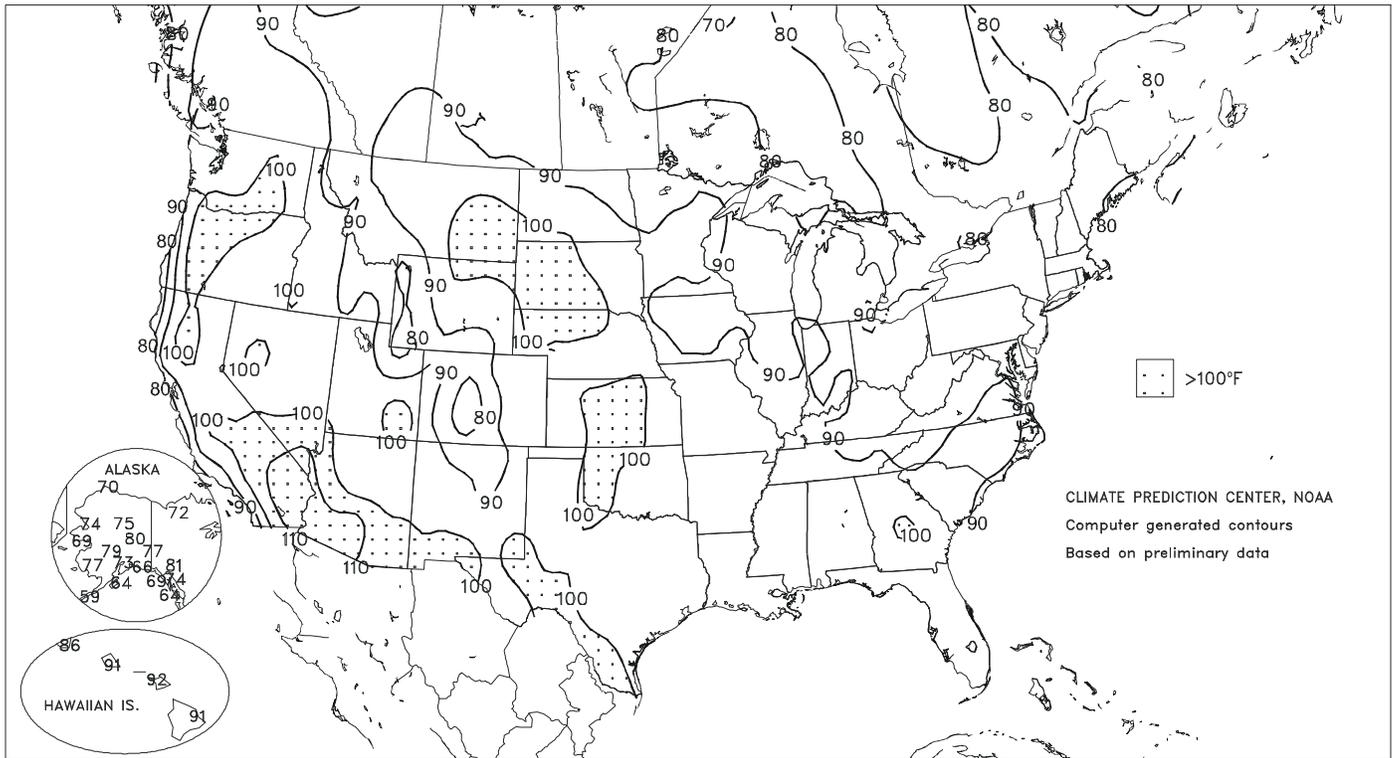
0.4 to -0.4 NEAR NORMAL
-0.5 to -0.9 INCIPENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to -2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT

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

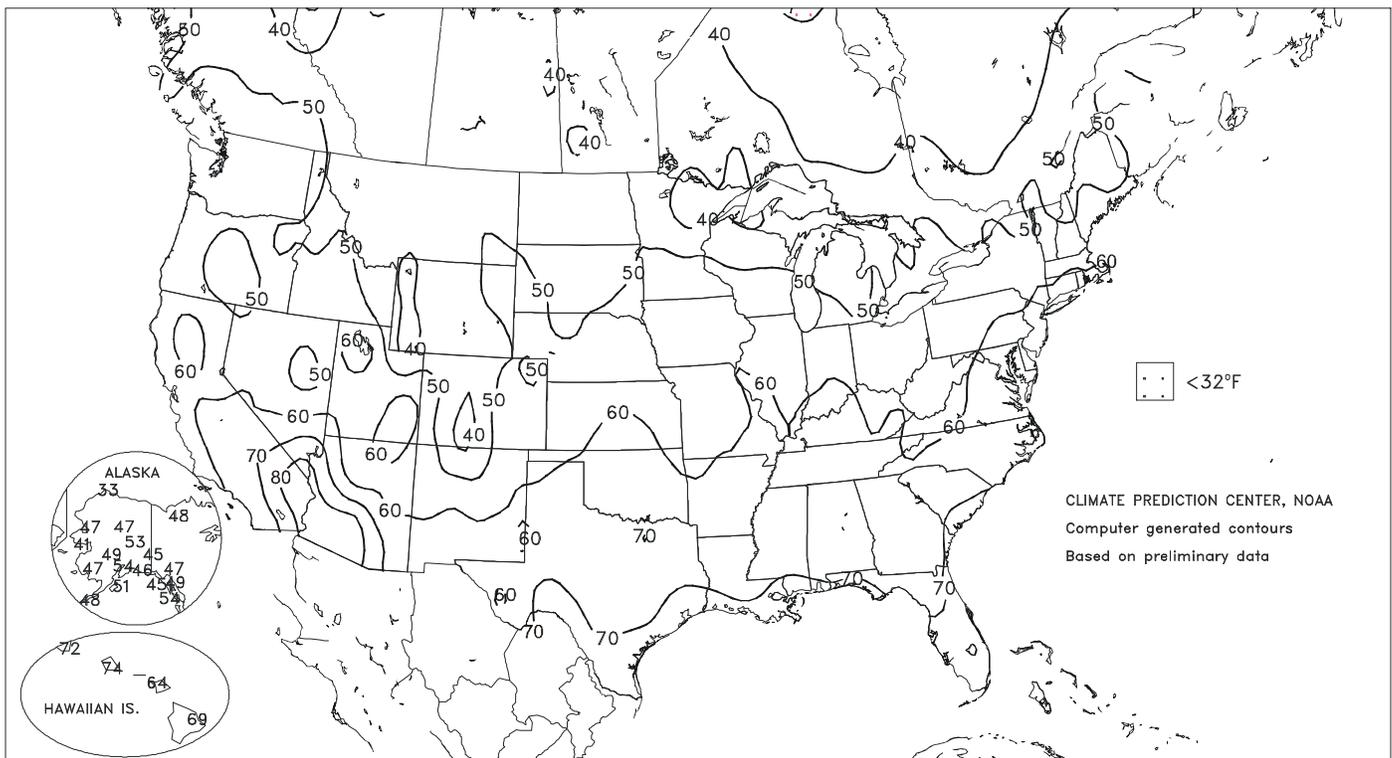
Extreme Maximum Temperature (°F)

JUL 18 - 24, 2004



Extreme Minimum Temperature (°F)

JUL 18 - 24, 2004



(Continued from front cover)

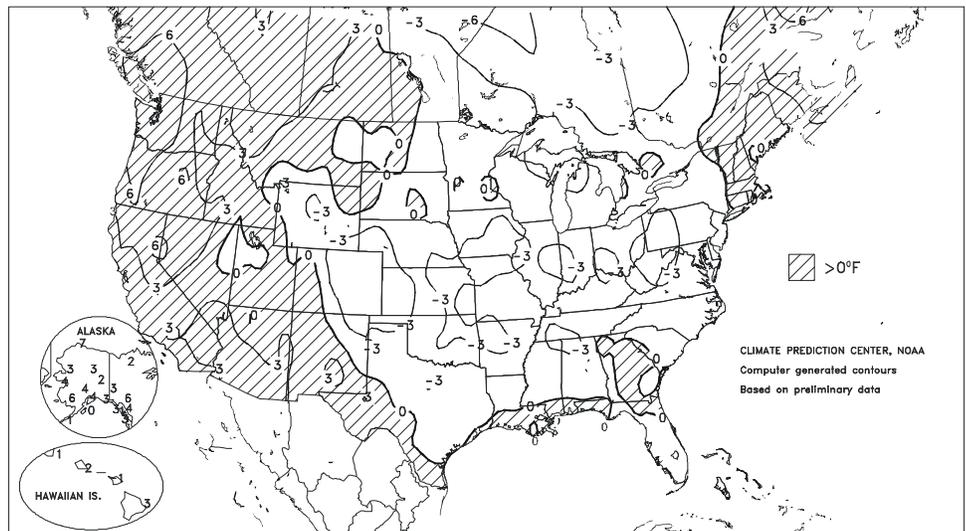
maintained mostly favorable conditions for **Midwestern** corn and soybeans. However, crop developmental delays remained a concern across the **northern Corn Belt**, especially following a late-week return to well-below-normal temperatures. Meanwhile, most of the **South** experienced a week of favorably warm, mostly dry weather, with heavy rainfall (4 inches or more) confined to **Florida's west coast**. Although the **Southern** conditions increased irrigation demands, dry weather helped to reduce pockets of lingering wetness in the **western and central Gulf Coast States**. Elsewhere, showers associated with the monsoon (summer rainy season) affected the **Intermountain West** and the **Southwest**, boosting topsoil moisture and easing irrigation requirements, but providing only limited relief from a multi-year drought. Farther north, dry weather and record-high temperatures affected parts of **California**, the **Great Basin**, and the **Pacific Northwest**. **Northwestern** heat (temperatures up to 10°F above normal) favored initial winter wheat harvesting and hastened the maturation of spring-sown small grains.

Early in the week, hot weather expanded onto the **Plains**. Although **Miles City, MT**, tallied a high of 107°F on July 18, it was far below the monthly and all-time-record high of 113°F, established on July 18, 2003. Hot weather also prevailed in the **Southwest**, where **Imperial, CA**, posted a daily record-tying high of 112°F on July 21. Toward week's end, heat shifted to the **Northwest**, where **Portland, OR**, closed the week with three consecutive daily records (98, 103, and 100°F from July 22-24). **Portland** also marked its hottest day since July 20, 1994, when the high was also 103°F, and its first consecutive triple-digit days since July 20-21, 1994). Elsewhere in **Oregon**, **Astoria's** high of 96°F (on July 23) tied August 9, 1981, for its second-highest temperature on record behind 100°F on July 11, 1961.

In sharp contrast, chilly weather settled across the **Plains** and **Midwest**. On July 23, daily-record lows included 39°F in **International Falls, MN**, 40°F in **Williston, ND**, and 41°F in **Merrill, WI**. A day later, **Merrill** again noted 41°F, while **Hibbing, MN**, recorded 33°F. In **Scottsbluff, NE**, maxima of 60°F on July 23 and 24 marked the city's first-ever July observance of consecutive days with high temperatures of 60°F or lower. Similarly, **Cheyenne, WY**, registered highs of 54 and 55°F on July 23-24, representing the first time its July maxima failed to reach 60°F on consecutive days since July 2-3, 1972. By Sunday, July 25, high temperatures were the lowest on record during July in locations such as **Lubbock, TX** (64°F), **St. Louis, MO** (66°F), and **Paducah, KY** (69°F).

Departure of Average Temperature from Normal (°F)

JUL 18 - 24, 2004

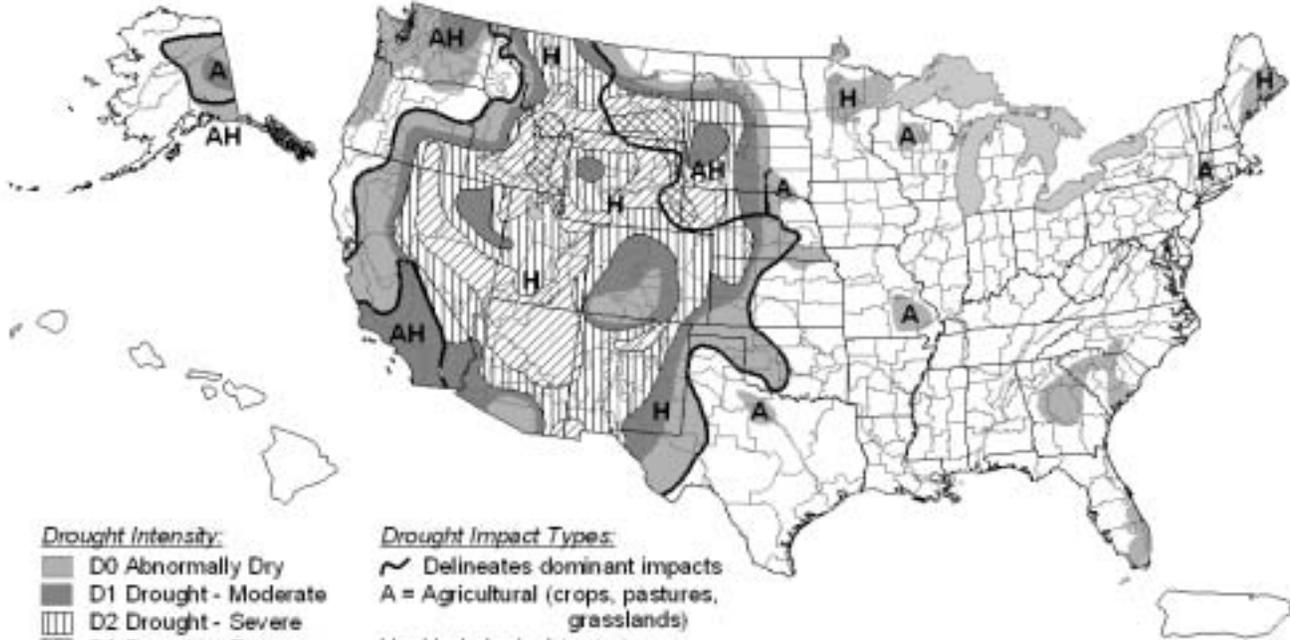


Heavy rain preceded and accompanied the arrival of the late-week chill, resulting in daily-record totals in locations such as **Omaha, NE** (2.66 inches on July 22), **Amarillo, TX** (1.94 inches on July 22), and **Topeka, KS** (2.46 inches on July 24). Meanwhile, heavy showers also dotted the **Southwest**, where **Albuquerque, NM** (1.19 inches on July 23), collected a daily-record total. North of **Tucson, AZ**, 24-hour rainfall on July 22-23 reached 1.93 inches on **Mount Lemmon** and locally topped 3 inches in the **Oro Valley**. Farther east, thunderstorms helped to set a few **Midwestern** daily-rainfall records, including 1.82 inches (on July 22) in **Indianapolis, IN**. Heavy rain also struck portions of the **Atlantic Coast States**, especially along **Florida's west coast** prior to midweek and in the **Mid-Atlantic region** toward week's end. July 17-20 rainfall topped 8 inches in some **Florida** locations, including **Tampa** (8.07 inches). A few days later, July 23-24 rainfall exceeded 4 inches at a few **northern Mid-Atlantic** sites, including **Somerville, NJ** (5.91 inches).

Mostly dry conditions accompanied warm weather (temperatures as much as 3°F above normal) in **Hawaii**. However, the **Big Island** noted a few downpours, including a 4.36-inch deluge in **Waiaha** during a 24-hour period on July 23-24. Elsewhere on the **Big Island**, **Hilo** tallied monthly record highs of 91°F on July 17 and 24 (previously, 89°F on July 27, 2003, and many earlier dates). Farther north, **Alaska's** warm spell continued through another week, with mainland temperatures generally 3 to 7°F above normal. Although showers dotted **Alaska**, July 1-25 totals were as low as 0.13 inch (10 percent of normal) in **Anchorage** and 0.51 inch (37 percent) in **Fairbanks**. By July 26, **Alaska's** year-to-date wildfire acreage grew to 4.13 million acres, far exceeding its January-July 2002 record of 2.12 million acres, and accounting for more than 80 percent of the Nation's year-to-date total of 5.11 million acres. **Alaska's** largest group of blazes, the 865,000-acre Taylor Highway Complex, was burning roughly 35 miles northwest of **Tok**.

U.S. Drought Monitor

July 20, 2004
Valid 8 a.m. EDT



Drought Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- ▨ D2 Drought - Severe
- ▩ D3 Drought - Extreme
- ▧ D4 Drought - Exceptional

Drought Impact Types:

- ~ Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)
- (No type = Both impacts)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



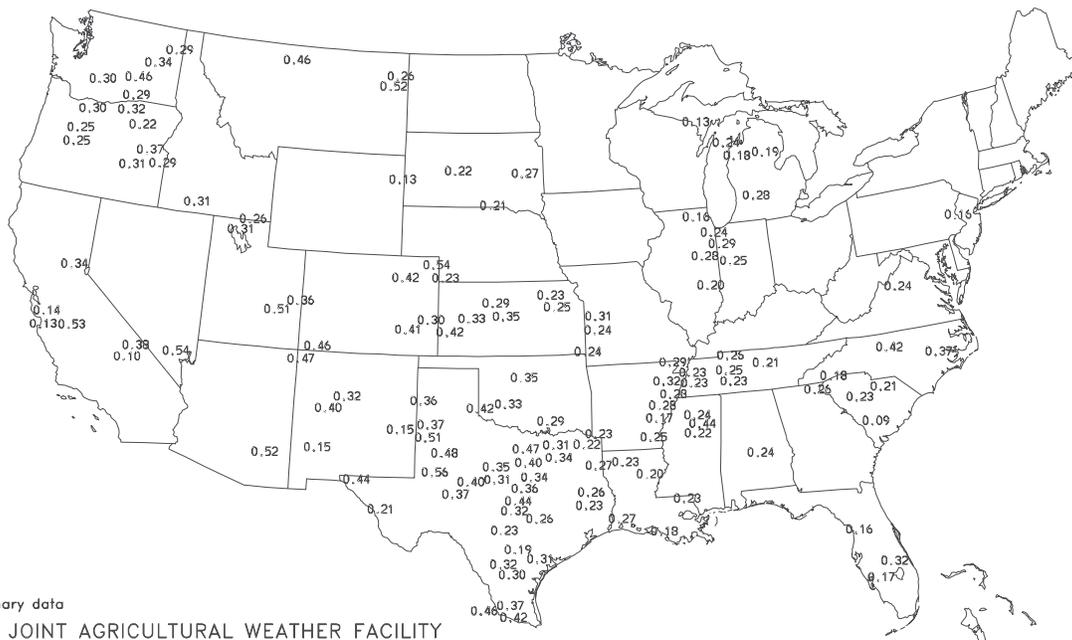
Released Thursday, July 22, 2004

Author: Candace Tankersley/Richard Heim, NOAA/NCDC

<http://drought.unl.edu/dm>

Average Pan Evaporation (Inches/Day)

JUL 18 - 24, 2004



Based on preliminary data
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Agricultural Weather Data Compiled by USDA's Stoneville Field Office

Weather Data for the Week Ending July 24, 2004

Data provided by the Mississippi State Delta Research and Extension Center (DREC) and the University of Missouri Extension Commercial Agriculture Program.

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | | 4-INCH SOIL TEMP. °F | | 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 | 90 AND ABOVE | | 50 INCH OR MORE | | |
| | | | | | | | | | | | | | | | | TEMP. °F | PRECIP | .01 INCH OR MORE | .50 INCH OR MORE | |
| MISSISSIPPI | | | | | | | | | | | | | | | | | | | | |
| INDIANOLA 1S | 90 | 69 | 94 | 65 | 80 | - | 0.01 | - | 0.01 | 16.61 | - | 37.90 | - | - | - | 4 | 0 | 1 | 0 | |
| INVERNESS 5E | 90 | 70 | 95 | 66 | 80 | - | 0.10 | - | 0.09 | 10.32 | - | - | - | - | - | 4 | 0 | 2 | 0 | |
| LYON | 90 | 69 | 94 | 66 | 80 | - | 0.00 | - | 0.00 | - | - | - | - | - | - | 5 | 0 | 0 | 0 | |
| MACON | 92 | 67 | 96 | 62 | 80 | - | 0.32 | - | 0.32 | 9.28 | - | 31.10 | - | - | - | 5 | 0 | 1 | 0 | |
| ONWARD | 90 | 69 | 93 | 65 | 80 | - | 0.00 | - | 0.00 | 13.10 | - | 36.93 | - | - | - | 4 | 0 | 0 | 0 | |
| PERTHSHIRE | 91 | 69 | 95 | 65 | 80 | - | 0.00 | - | 0.00 | 5.69 | - | 34.50 | - | - | - | 4 | 0 | 0 | 0 | |
| SCOTT | 90 | 70 | 95 | 67 | 80 | - | 0.88 | - | 0.88 | 12.70 | - | 35.82 | - | - | - | 3 | 0 | 1 | 1 | |
| SIDON | 92 | 70 | 96 | 67 | 81 | - | 0.01 | - | 0.01 | 8.38 | - | 30.87 | - | 98 | 79 | 5 | 0 | 1 | 0 | |
| STARKVILLE | 89 | 68 | 94 | 64 | 79 | -3 | 0.00 | -0.98 | 0.00 | 14.32 | 188 | 33.43 | 96 | - | - | 3 | 0 | 0 | 0 | |
| TUNICA 1W | 90 | 69 | 95 | 66 | 79 | - | 0.00 | - | 0.00 | 8.33 | - | - | - | - | - | 4 | 0 | 0 | 0 | |
| VANCE | 89 | 67 | 94 | 63 | 78 | - | 0.01 | - | 0.01 | 6.41 | - | 32.58 | - | - | - | 3 | 0 | 1 | 0 | |
| VERONA | 90 | 68 | 94 | 64 | 79 | - | 0.00 | - | 0.00 | 8.31 | - | 29.65 | - | 95 | 78 | 3 | 0 | 0 | 0 | |
| STONEVILLE X | 91 | 72 | 97 | 68 | 81 | -2 | 0.36 | -0.47 | 0.36 | 16.14 | 221 | 40.64 | 121 | 96 | 80 | 4 | 0 | 1 | 0 | |
| MISSOURI | | | | | | | | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | | | | | | | | |
| CORNING | 84 | 66 | 97 | 57 | 76 | -1 | 0.57 | -0.89 | 0.29 | 4.77 | 54 | 16.74 | 80 | - | - | 2 | 0 | 4 | 0 | |
| ALBANY | 82 | 65 | 94 | 58 | 74 | -4 | 0.81 | -0.26 | 0.51 | 10.21 | 123 | 24.64 | 117 | 82 | 73 | 1 | 0 | 3 | 1 | |
| ST. JOSEPH | 82 | 68 | 94 | 57 | 75 | -3 | 0.91 | -0.23 | 0.90 | 11.86 | 146 | 26.96 | 130 | - | - | 1 | 0 | 2 | 1 | |
| NC | | | | | | | | | | | | | | | | | | | | |
| LINNEUS | 83 | 65 | 94 | 57 | 74 | -3 | 0.41 | -0.63 | 0.41 | 8.33 | 103 | 22.97 | 109 | 84 | 73 | 1 | 0 | 1 | 0 | |
| BRUNSWICK | 84 | 67 | 94 | 60 | 75 | -3 | 0.31 | -0.38 | 0.31 | 9.53 | 125 | 22.48 | 103 | 79 | 75 | 1 | 0 | 1 | 0 | |
| NE | | | | | | | | | | | | | | | | | | | | |
| NOVELTY | 82 | 65 | 90 | 60 | 74 | -4 | 0.15 | -0.63 | 0.14 | 5.91 | 89 | 17.37 | 86 | 83 | 73 | 0 | 0 | 2 | 0 | |
| MONROE CITY | 84 | 65 | 92 | 58 | 74 | -4 | 0.19 | -0.63 | 0.19 | 3.84 | 57 | 13.12 | 62 | 84 | 73 | 2 | 0 | 1 | 0 | |
| C | | | | | | | | | | | | | | | | | | | | |
| AUXVASSE | 84 | 66 | 93 | 59 | 75 | -3 | 1.07 | 0.50 | 0.60 | 6.23 | 86 | 21.19 | 93 | 80 | 72 | 3 | 0 | 2 | 1 | |
| SANBORN FIELD | 85 | 69 | 93 | 61 | 77 | -2 | 0.81 | 0.10 | 0.81 | 6.66 | 92 | 24.86 | 105 | 86 | 74 | 2 | 0 | 1 | 1 | |
| COLUMBIA | 85 | 67 | 93 | 60 | 75 | -4 | 0.76 | 0.05 | 0.76 | 6.53 | 90 | 25.93 | 110 | - | - | 3 | 0 | 1 | 1 | |
| VERSAILLES | 86 | 67 | 93 | 56 | 76 | -3 | 2.02 | 1.22 | 1.92 | 7.27 | 101 | - | - | 85 | 74 | 3 | 0 | 3 | 1 | |
| EC | | | | | | | | | | | | | | | | | | | | |
| COOK STATION | 87 | 64 | 96 | 56 | 75 | -3 | 0.53 | -0.36 | 0.53 | 5.05 | 77 | 22.12 | 91 | 84 | 74 | 3 | 0 | 1 | 1 | |
| SW | | | | | | | | | | | | | | | | | | | | |
| LAMAR | 87 | 68 | 93 | 61 | 76 | -4 | 0.31 | -0.50 | 0.15 | 9.09 | 97 | 28.53 | 104 | 86 | 75 | 2 | 0 | 3 | 0 | |
| SE | | | | | | | | | | | | | | | | | | | | |
| DELTA | 87 | 67 | 93 | 62 | 76 | -4 | 1.34 | 0.54 | 1.19 | 4.79 | 78 | 19.88 | 76 | 84 | 75 | 2 | 0 | 2 | 1 | |
| CHARLESTON | 88 | 68 | 94 | 63 | 78 | -2 | 0.61 | -0.12 | 0.61 | 3.17 | 44 | 16.78 | 60 | 94 | 76 | 2 | 0 | 1 | 1 | |
| GLENNONVILLE | 87 | 69 | 93 | 63 | 78 | -3 | 0.42 | -0.18 | 0.34 | 5.36 | 90 | 19.32 | 77 | 91 | 77 | 2 | 0 | 2 | 0 | |
| CLARKTON | 86 | 69 | 94 | 64 | 77 | -4 | 0.12 | -0.49 | 0.12 | 5.22 | 86 | 20.93 | 81 | 97 | 77 | 2 | 0 | 1 | 0 | |
| PORTAGEVILLE DC | 89 | 70 | 92 | 65 | 79 | -2 | 0.56 | -0.04 | 0.54 | 8.15 | 128 | 30.00 | 111 | 96 | 77 | 2 | 0 | 2 | 1 | |
| PORTAGEVILLE LF | 88 | 70 | 93 | 64 | 79 | -2 | 1.14 | 0.53 | 1.14 | 7.10 | 111 | 28.45 | 105 | 99 | 77 | 2 | 0 | 1 | 1 | |
| STEELE | 90 | 69 | 94 | 64 | 79 | -2 | 1.06 | 0.47 | 0.55 | 5.11 | 75 | 27.90 | 96 | 94 | 81 | 3 | 0 | 2 | 2 | |
| CARDWELL | 88 | 69 | 92 | 64 | 78 | -4 | 0.05 | -0.67 | 0.05 | 6.03 | 101 | 27.16 | 96 | 94 | 78 | 1 | 0 | 1 | 0 | |

Compiled by USDA/OCE/WAOB's Stoneville Field Office.

X Based on 1971-2000 normals.

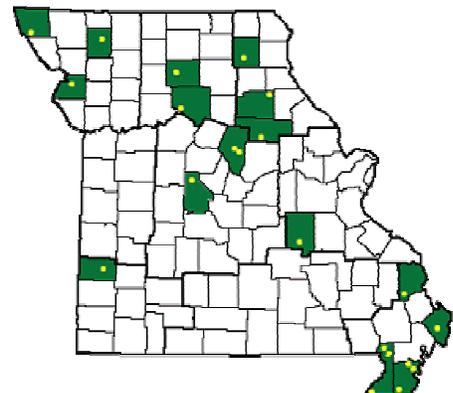
- Sufficient data not available.

NW = Northwest; NC = North Central; NE = Northeast; C = Central; EC = East Central; SW = Southwest; SE = Southeast.

Weather and Crop Summary for the Mississippi Delta: Scattered rain showers aided most crops except for already-mature corn and soybeans, drying down for harvest. Some corn was being harvested. Despite the showers, producers continued to use supplemental irrigation. Cotton continued to flower and produce bolls, late soybeans were setting and filling pods, and most rice was headed.

Note: For information on the weather stations in the Missouri Bootheel and recently added stations elsewhere in the State, please visit:

<http://agebb.missouri.edu/weather/stations/index.htm>



National Weather Data for Selected Cities

Weather Data for the Week Ending July 24, 2004

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

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|-----------------------|-------------------------|-----------------------|----------------------------|-----------------|-----------------|--------------|--------------|------------------|------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN, SINCE Jun 1 | PCT. NORMAL SINCE Jun 1 | TOTAL IN, SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | 0.1 INCH OR MORE | 5.0 INCH OR MORE |
| AL BIRMINGHAM | 90 | 68 | 95 | 64 | 79 | -2 | 0.01 | -1.14 | 0.01 | 7.93 | 102 | 27.98 | 85 | 95 | 47 | 4 | 0 | 1 | 0 |
| AL HUNTSVILLE | 87 | 66 | 92 | 61 | 77 | -3 | 0.00 | -0.97 | 0.00 | 6.52 | 85 | 28.74 | 83 | 97 | 60 | 2 | 0 | 0 | 0 |
| AL MOBILE | 93 | 73 | 97 | 72 | 83 | 1 | 0.00 | -1.52 | 0.00 | 19.91 | 198 | 40.33 | 103 | 87 | 49 | 7 | 0 | 0 | 0 |
| AL MONTGOMERY | 95 | 72 | 100 | 67 | 83 | 1 | 0.01 | -1.15 | 0.01 | 10.33 | 124 | 29.61 | 88 | 87 | 41 | 7 | 0 | 1 | 0 |
| AK ANCHORAGE | 69 | 56 | 73 | 54 | 62 | 3 | 0.12 | -0.29 | 0.10 | 0.99 | 44 | 5.08 | 92 | 85 | 69 | 0 | 0 | 2 | 0 |
| AK BARROW | 57 | 38 | 70 | 33 | 47 | 6 | 0.00 | -0.21 | 0.00 | 2.19 | 235 | 2.77 | 186 | 98 | 80 | 0 | 0 | 0 | 0 |
| AK FAIRBANKS | 73 | 55 | 80 | 53 | 64 | 2 | 0.53 | 0.14 | 0.38 | 0.90 | 34 | 3.90 | 83 | 87 | 73 | 0 | 0 | 4 | 0 |
| AK JUNEAU | 68 | 53 | 74 | 49 | 61 | 4 | 1.45 | 0.48 | 0.95 | 3.13 | 49 | 25.53 | 101 | 95 | 77 | 0 | 0 | 4 | 1 |
| AK KODIAK | 58 | 52 | 64 | 51 | 55 | 0 | 2.37 | 1.52 | 1.21 | 13.15 | 153 | 48.13 | 122 | 98 | 90 | 0 | 0 | 6 | 2 |
| AK NOME | 66 | 48 | 69 | 41 | 57 | 4 | 0.00 | -0.53 | 0.00 | 1.70 | 64 | 6.15 | 97 | 89 | 65 | 0 | 0 | 0 | 0 |
| AZ FLAGSTAFF | 81 | 53 | 84 | 51 | 67 | 0 | 0.39 | -0.25 | 0.20 | 1.16 | 54 | 5.54 | 48 | 82 | 26 | 0 | 0 | 5 | 0 |
| AZ PHOENIX | 108 | 89 | 111 | 86 | 98 | 5 | 0.00 | -0.25 | 0.00 | 0.37 | 47 | 4.39 | 114 | 36 | 25 | 7 | 0 | 0 | 0 |
| AZ TUCSON | 102 | 79 | 105 | 76 | 90 | 4 | 0.00 | -0.55 | 0.00 | 0.19 | 11 | 3.79 | 77 | 53 | 31 | 7 | 0 | 0 | 0 |
| AZ YUMA | 109 | 85 | 112 | 83 | 97 | 2 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 1.60 | 136 | 54 | 35 | 7 | 0 | 0 | 0 |
| AR FORT SMITH | 91 | 70 | 94 | 64 | 81 | -2 | 1.64 | 0.99 | 1.05 | 14.05 | 207 | 32.05 | 129 | 95 | 55 | 5 | 0 | 2 | 2 |
| AR LITTLE ROCK | 90 | 70 | 92 | 67 | 80 | -3 | 0.75 | 0.07 | 0.70 | 7.53 | 115 | 29.42 | 102 | 93 | 55 | 4 | 0 | 2 | 1 |
| CA BAKERSFIELD | 99 | 73 | 102 | 70 | 86 | 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 2.77 | 60 | 57 | 33 | 7 | 0 | 0 | 0 |
| CA FRESNO | 101 | 71 | 103 | 69 | 86 | 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 4.20 | 53 | 52 | 31 | 7 | 0 | 0 | 0 |
| CA LOS ANGELES | 77 | 66 | 82 | 64 | 71 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 5.97 | 63 | 87 | 69 | 0 | 0 | 0 | 0 |
| CA REDDING | 101 | 76 | 106 | 72 | 89 | 7 | 0.00 | 0.00 | 0.00 | 0.11 | 16 | 17.20 | 79 | *** | *** | 7 | 0 | 0 | 0 |
| CA SACRAMENTO | 94 | 62 | 99 | 58 | 78 | 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 7.90 | 66 | 84 | 30 | 5 | 0 | 0 | 0 |
| CA SAN DIEGO | 78 | 69 | 83 | 67 | 73 | 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 3.96 | 52 | 81 | 65 | 0 | 0 | 0 | 0 |
| CA SAN FRANCISCO | 74 | 60 | 77 | 58 | 67 | 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 8.67 | 65 | 92 | 73 | 0 | 0 | 0 | 0 |
| CA STOCKTON | 96 | 63 | 100 | 59 | 79 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 6.53 | 73 | 70 | 40 | 7 | 0 | 0 | 0 |
| CO ALAMOSA | 79 | 48 | 85 | 42 | 64 | 0 | 0.20 | -0.02 | 0.17 | 1.09 | 88 | 3.50 | 103 | 94 | 46 | 0 | 0 | 2 | 0 |
| CO CO SPRINGS | 76 | 57 | 86 | 52 | 67 | -3 | 1.58 | 0.88 | 0.79 | 9.78 | 223 | 14.44 | 143 | 87 | 50 | 0 | 0 | 4 | 2 |
| CO DENVER INTL | 80 | 58 | 91 | 49 | 69 | -4 | 0.97 | 0.42 | 0.51 | 4.78 | 143 | 8.43 | 100 | 84 | 45 | 2 | 0 | 3 | 1 |
| CO GRAND JUNCTION | 94 | 66 | 96 | 61 | 80 | 3 | 0.00 | -0.17 | 0.00 | 0.14 | 16 | 4.11 | 86 | 51 | 27 | 6 | 0 | 0 | 0 |
| CO PUEBLO | 86 | 59 | 99 | 55 | 73 | -3 | 0.14 | -0.36 | 0.07 | 1.77 | 63 | 8.33 | 117 | 85 | 49 | 4 | 0 | 3 | 0 |
| CT BRIDGEPORT | 80 | 69 | 85 | 64 | 75 | 0 | 1.11 | 0.26 | 0.64 | 5.22 | 81 | 23.16 | 92 | 89 | 70 | 0 | 0 | 4 | 1 |
| CT HARTFORD | 84 | 64 | 89 | 61 | 74 | 0 | 1.23 | 0.41 | 0.39 | 5.68 | 86 | 20.42 | 80 | 93 | 59 | 0 | 0 | 4 | 0 |
| DC WASHINGTON | 84 | 70 | 90 | 68 | 77 | -2 | 1.07 | 0.22 | 0.74 | 8.87 | 150 | 21.44 | 98 | 86 | 55 | 1 | 0 | 5 | 1 |
| DE WILMINGTON | 82 | 68 | 88 | 65 | 75 | -2 | 1.39 | 0.43 | 1.32 | 13.68 | 198 | 30.43 | 123 | 95 | 60 | 0 | 0 | 2 | 1 |
| FL DAYTONA BEACH | 88 | 73 | 91 | 71 | 81 | -1 | 0.07 | -1.02 | 0.06 | 15.28 | 158 | 23.81 | 95 | 96 | 57 | 3 | 0 | 2 | 0 |
| FL JACKSONVILLE | 90 | 73 | 93 | 70 | 82 | 0 | 0.20 | -1.10 | 0.12 | 25.50 | 255 | 36.25 | 132 | 94 | 57 | 6 | 0 | 3 | 0 |
| FL KEY WEST | 91 | 80 | 91 | 75 | 85 | 0 | 1.01 | 0.31 | 0.78 | 4.05 | 58 | 13.26 | 73 | 82 | 63 | 6 | 0 | 4 | 1 |
| FL MIAMI | 90 | 77 | 93 | 74 | 84 | 0 | 2.04 | 0.87 | 0.93 | 10.12 | 78 | 23.70 | 84 | 89 | 62 | 5 | 0 | 4 | 2 |
| FL ORLANDO | 90 | 73 | 94 | 72 | 81 | -1 | 0.67 | -0.82 | 0.35 | 12.03 | 93 | 24.86 | 91 | 92 | 69 | 4 | 0 | 3 | 0 |
| FL PENSACOLA | 92 | 73 | 96 | 71 | 83 | 0 | 0.91 | -0.89 | 0.69 | 18.01 | 143 | 33.03 | 88 | 88 | 56 | 5 | 0 | 2 | 1 |
| FL TALLAHASSEE | 92 | 71 | 97 | 68 | 82 | 0 | 1.04 | -0.77 | 0.53 | 16.56 | 126 | 31.76 | 83 | 92 | 56 | 6 | 0 | 2 | 2 |
| FL TAMPA | 88 | 74 | 94 | 73 | 81 | -2 | 7.68 | 6.23 | 3.07 | 18.27 | 175 | 30.64 | 134 | 92 | 65 | 3 | 0 | 5 | 3 |
| FL WEST PALM | 91 | 74 | 93 | 73 | 82 | -1 | 1.81 | 0.62 | 0.71 | 5.55 | 45 | 17.47 | 56 | 90 | 65 | 5 | 0 | 7 | 2 |
| GA ATHENS | 94 | 69 | 98 | 64 | 81 | 1 | 0.01 | -0.98 | 0.01 | 4.52 | 62 | 14.60 | 51 | 85 | 40 | 7 | 0 | 1 | 0 |
| GA ATLANTA | 90 | 70 | 95 | 66 | 80 | 0 | 0.01 | -1.15 | 0.01 | 6.50 | 85 | 20.37 | 67 | 84 | 49 | 2 | 0 | 1 | 0 |
| GA AUGUSTA | 94 | 68 | 99 | 64 | 81 | 0 | 0.00 | -0.90 | 0.00 | 11.33 | 156 | 23.88 | 90 | 96 | 53 | 6 | 0 | 0 | 0 |
| GA COLUMBUS | 93 | 72 | 99 | 67 | 82 | 0 | 0.54 | -0.62 | 0.53 | 9.76 | 132 | 24.39 | 82 | 88 | 39 | 6 | 0 | 2 | 1 |
| GA MACON | 97 | 69 | 101 | 65 | 83 | 2 | 0.26 | -0.70 | 0.26 | 4.77 | 69 | 19.54 | 71 | 88 | 34 | 7 | 0 | 1 | 0 |
| GA SAVANNAH | 91 | 72 | 93 | 70 | 82 | 0 | 0.74 | -0.63 | 0.59 | 10.86 | 108 | 21.96 | 80 | 95 | 51 | 6 | 0 | 3 | 1 |
| HI HILO | 88 | 70 | 91 | 69 | 79 | 3 | 0.03 | -2.42 | 0.02 | 8.03 | 51 | 85.19 | 123 | 76 | 62 | 2 | 0 | 2 | 0 |
| HI HONOLULU | 90 | 76 | 91 | 74 | 83 | 2 | 0.00 | -0.11 | 0.00 | 0.40 | 53 | 19.19 | 199 | 78 | 69 | 6 | 0 | 0 | 0 |
| HI KAHULUI | 90 | 66 | 92 | 64 | 78 | -1 | 0.00 | -0.11 | 0.00 | 0.04 | 7 | 24.28 | 213 | 82 | 65 | 4 | 0 | 0 | 0 |
| HI LIHUE | 85 | 74 | 86 | 72 | 80 | 1 | 0.00 | -0.50 | 0.00 | 3.21 | 94 | 20.51 | 99 | 81 | 74 | 0 | 0 | 0 | 0 |
| ID BOISE | 94 | 64 | 101 | 60 | 79 | 3 | 0.54 | 0.48 | 0.54 | 0.85 | 83 | 7.40 | 99 | 68 | 37 | 5 | 0 | 1 | 1 |
| ID LEWISTON | 93 | 65 | 104 | 60 | 79 | 4 | 0.26 | 0.12 | 0.22 | 1.43 | 85 | 9.39 | 121 | 62 | 38 | 4 | 0 | 2 | 0 |
| ID POCATELLO | 88 | 56 | 92 | 48 | 72 | 2 | 0.69 | 0.55 | 0.65 | 1.72 | 125 | 7.66 | 101 | 87 | 46 | 1 | 0 | 3 | 1 |
| IL CHICAGO/O'HARE | 81 | 63 | 90 | 55 | 72 | -2 | 0.22 | -0.57 | 0.21 | 5.37 | 86 | 18.13 | 94 | 82 | 56 | 1 | 0 | 2 | 0 |
| IL MOLINE | 83 | 64 | 93 | 58 | 74 | -2 | 0.48 | -0.40 | 0.48 | 3.82 | 50 | 21.11 | 97 | 90 | 64 | 1 | 0 | 1 | 0 |
| IL PEORIA | 82 | 65 | 90 | 59 | 73 | -2 | 0.52 | -0.35 | 0.52 | 6.79 | 97 | 18.83 | 91 | 88 | 63 | 1 | 0 | 1 | 1 |
| IL ROCKFORD | 81 | 62 | 89 | 54 | 71 | -2 | 0.99 | 0.14 | 0.52 | 8.15 | 103 | 23.43 | 113 | 88 | 70 | 0 | 0 | 3 | 1 |
| IL SPRINGFIELD | 83 | 65 | 90 | 59 | 74 | -2 | 0.03 | -0.74 | 0.03 | 8.05 | 125 | 20.03 | 98 | 89 | 62 | 1 | 0 | 1 | 0 |
| IN EVANSVILLE | 85 | 67 | 91 | 63 | 76 | -3 | 1.53 | 0.72 | 1.21 | 5.60 | 80 | 22.55 | 84 | 90 | 66 | 2 | 0 | 3 | 1 |
| IN FORT WAYNE | 82 | 61 | 90 | 55 | 72 | -2 | 2.52 | 1.75 | 1.66 | 9.91 | 146 | 23.52 | 112 | 93 | 53 | 1 | 0 | 3 | 2 |
| IN INDIANAPOLIS | 82 | 64 | 89 | 60 | 73 | -3 | 3.58 | 2.59 | 1.81 | 11.70 | 156 | 31.54 | 132 | 91 | 55 | 0 | 0 | 2 | 2 |
| IN SOUTH BEND | 81 | 62 | 88 | 55 | 72 | -1 | 1.44 | 0.66 | 0.82 | 8.07 | 114 | 20.26 | 95 | 90 | 57 | 0 | 0 | 2 | 2 |
| IA BURLINGTON | 81 | 65 | 90 | 59 | 73 | -4 | 0.26 | -0.72 | 0.16 | 4.61 | 58 | 16.18 | 74 | 97 | 67 | 1 | 0 | 4 | 0 |
| IA CEDAR RAPIDS | 81 | 61 | 89 | 55 | 71 | -4 | 0.11 | -0.77 | 0.10 | 5.20 | 69 | 19.30 | 101 | 99 | 62 | 0 | 0 | 2 | 0 |
| IA DES MOINES | 81 | 66 | 91 | 59 | 74 | -3 | 0.62 | -0.30 | 0.36 | 5.68 | 73 | 25.42 | 127 | 95 | 76 | 1 | 0 | 3 | 0 |
| IA DUBUQUE | 79 | 61 | 88 | 53 | 70 | -3 | 0.15 | -0.68 | 0.13 | 4.22 | 61 | 19.24 | 97 | 95 | 72 | 0 | 0 | 3 | 0 |
| IA SIOUX CITY | 85 | 63 | 92 | 53 | 74 | -1 | 0.07 | -0.65 | 0.06 | 6.73 | 110 | 18.69 | 118 | 90 | 60 | 3 | 0 | 2 | 0 |
| IA WATERLOO | 82 | 61 | 91 | 52 | 72 | -2 | 0.33 | -0.56 | 0.31 | 5.06 | 63 | 23.76 | 122 | 92 | 64 | 1 | 0 | 3 | 0 |
| KS CONCORDIA | 85 | 68 | 101 | 60 | 76 | -4 | 0.51 | -0.44 | 0.23 | 6.82 | 92 | 17.77 | 101 | 81 | 63 | 2 | 0 | 4 | 0 |
| KS DODGE CITY | 89 | 66 | 99 | 59 | 77 | -3 | 2.79 | 2.08 | 2.26 | 8.40 | 151 | 14.22 | 102 | 83 | 46 | 5 | 0 | 2 | 2 |
| KS GOODLAND | 83 | 61 | 100 | 52 | 72 | -4 | 1.98 | 1.18 | 1.47 | 7.37 | 123 | 12.35 | 95 | 90 | 56 | 4 | 0 | 3 | 1 |
| KS TOPEKA | 86 | 68 | 97 | 58 | 77 | -2 | 2.90 | 2.09 | 2.46 | 13.60 | 174 | 26.41 | 129 | 88 | 62 | 3 | 0 | 4 | 1 |

Based on 1971-2000 normals

*** Not Available

Weather Data for the Week Ending July 24, 2004

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|-----------------------|-------------------------|-----------------------|----------------------------|-----------------|-----------------|--------------|--------------|------------------|------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN, SINCE Jun 1 | PCT. NORMAL SINCE Jun 1 | TOTAL IN, SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | 0.1 INCH OR MORE | 5.0 INCH OR MORE |
| KY WICHITA | 90 | 68 | 101 | 62 | 79 | -3 | 2.84 | 2.14 | 2.57 | 14.84 | 218 | 28.24 | 156 | 91 | 62 | 4 | 0 | 2 | 1 |
| KY JACKSON | 81 | 64 | 86 | 61 | 73 | -2 | 0.64 | -0.38 | 0.64 | 8.97 | 109 | 35.64 | 124 | 99 | 64 | 0 | 0 | 1 | 1 |
| KY LEXINGTON | 81 | 64 | 85 | 59 | 72 | -4 | 1.16 | 0.09 | 1.13 | 8.30 | 100 | 32.07 | 115 | 92 | 68 | 0 | 0 | 2 | 1 |
| KY LOUISVILLE | 86 | 69 | 93 | 67 | 78 | -1 | 1.15 | 0.17 | 0.75 | 5.41 | 77 | 30.82 | 115 | 87 | 58 | 2 | 0 | 2 | 1 |
| KY PADUCAH | 88 | 67 | 92 | 59 | 78 | 0 | 0.11 | -0.81 | 0.07 | 5.00 | 62 | 22.96 | 78 | 93 | 56 | 3 | 0 | 2 | 0 |
| LA BATON ROUGE | 92 | 73 | 95 | 69 | 83 | 1 | 0.38 | -0.94 | 0.23 | 12.16 | 123 | 47.20 | 127 | 94 | 51 | 6 | 0 | 3 | 0 |
| LA LAKE CHARLES | 94 | 74 | 98 | 70 | 84 | 1 | 0.91 | -0.16 | 0.51 | 13.31 | 132 | 49.41 | 154 | 91 | 48 | 7 | 0 | 2 | 1 |
| LA NEW ORLEANS | 91 | 75 | 94 | 73 | 83 | 0 | 1.14 | -0.12 | 0.69 | 16.58 | 142 | 53.96 | 142 | 92 | 63 | 6 | 0 | 2 | 1 |
| LA SHREVEPORT | 92 | 71 | 97 | 67 | 82 | -2 | 0.00 | -0.81 | 0.00 | 13.05 | 159 | 40.35 | 131 | 88 | 46 | 6 | 0 | 0 | 0 |
| ME CARIBOU | 78 | 58 | 84 | 48 | 68 | 2 | 1.38 | 0.48 | 0.55 | 6.72 | 108 | 16.10 | 82 | 97 | 55 | 0 | 0 | 4 | 1 |
| ME PORTLAND | 76 | 61 | 80 | 56 | 69 | 0 | 1.24 | 0.51 | 0.54 | 5.80 | 100 | 20.75 | 82 | 99 | 74 | 0 | 0 | 4 | 2 |
| MD BALTIMORE | 83 | 68 | 90 | 65 | 76 | -1 | 1.74 | 0.86 | 0.78 | 7.75 | 121 | 24.67 | 104 | 89 | 60 | 1 | 0 | 4 | 2 |
| MA BOSTON | 80 | 67 | 87 | 62 | 74 | -1 | 1.24 | 0.58 | 1.20 | 5.76 | 104 | 24.26 | 103 | 91 | 63 | 0 | 0 | 2 | 1 |
| MA WORCESTER | 79 | 65 | 83 | 58 | 72 | 1 | 3.15 | 2.21 | 2.25 | 5.75 | 80 | 21.83 | 81 | 97 | 57 | 0 | 0 | 4 | 2 |
| MI ALPENA | 78 | 52 | 89 | 45 | 65 | -2 | 0.95 | 0.21 | 0.95 | 5.60 | 115 | 15.15 | 101 | 97 | 49 | 0 | 0 | 1 | 1 |
| MI GRAND RAPIDS | 82 | 60 | 90 | 51 | 71 | -1 | 0.62 | -0.12 | 0.62 | 5.14 | 80 | 24.31 | 125 | 92 | 51 | 1 | 0 | 1 | 1 |
| MI HOUGHTON LAKE | 80 | 51 | 86 | 41 | 65 | -2 | 0.22 | -0.39 | 0.19 | 3.05 | 61 | 17.96 | 122 | 99 | 49 | 0 | 0 | 3 | 0 |
| MI LANSING | 80 | 58 | 88 | 47 | 69 | -2 | 0.95 | 0.43 | 0.95 | 6.48 | 114 | 22.41 | 133 | 92 | 61 | 0 | 0 | 1 | 1 |
| MI MUSKEGON | 79 | 60 | 87 | 51 | 69 | -2 | 0.20 | -0.32 | 0.20 | 5.95 | 140 | 24.08 | 148 | 93 | 59 | 0 | 0 | 1 | 0 |
| MI TRAVERSE CITY | 79 | 56 | 88 | 49 | 68 | -2 | 0.40 | -0.25 | 0.39 | 2.76 | 48 | 17.09 | 98 | 92 | 45 | 0 | 0 | 2 | 0 |
| MN DULUTH | 76 | 53 | 90 | 41 | 65 | -1 | 0.52 | -0.37 | 0.52 | 4.65 | 62 | 15.09 | 93 | 94 | 59 | 1 | 0 | 1 | 1 |
| MN INT'L FALLS | 77 | 50 | 87 | 36 | 64 | -3 | 0.21 | -0.47 | 0.13 | 4.47 | 68 | 11.80 | 91 | 97 | 48 | 0 | 0 | 2 | 0 |
| MN MINNEAPOLIS | 84 | 65 | 95 | 57 | 75 | 1 | 0.05 | -0.83 | 0.05 | 5.53 | 74 | 17.40 | 104 | 82 | 55 | 2 | 0 | 1 | 0 |
| MN ROCHESTER | 79 | 61 | 86 | 55 | 70 | 0 | 0.80 | -0.24 | 0.68 | 12.59 | 167 | 25.73 | 146 | 91 | 64 | 0 | 0 | 3 | 1 |
| MS ST. CLOUD | 83 | 58 | 95 | 46 | 70 | 0 | 0.11 | -0.58 | 0.09 | 5.81 | 82 | 16.37 | 109 | 95 | 47 | 2 | 0 | 2 | 0 |
| MS JACKSON | 91 | 70 | 94 | 66 | 80 | -2 | 0.33 | -0.72 | 0.33 | 10.26 | 138 | 34.42 | 101 | 94 | 49 | 4 | 0 | 1 | 0 |
| MS MERIDIAN | 91 | 68 | 95 | 63 | 79 | -3 | 0.01 | -1.21 | 0.01 | 15.15 | 183 | 35.53 | 96 | 95 | 50 | 4 | 0 | 1 | 0 |
| MS TUPELO | 89 | 69 | 92 | 65 | 79 | -2 | 0.00 | -0.75 | 0.00 | 11.69 | 152 | 36.19 | 105 | 96 | 57 | 3 | 0 | 0 | 0 |
| MO COLUMBIA | 84 | 67 | 92 | 60 | 76 | -2 | 0.85 | 0.02 | 0.84 | 7.64 | 110 | 27.21 | 118 | 93 | 59 | 2 | 0 | 2 | 1 |
| MO KANSAS CITY | 84 | 68 | 93 | 57 | 76 | -3 | 0.49 | -0.47 | 0.45 | 9.02 | 114 | 22.07 | 102 | 92 | 69 | 1 | 0 | 3 | 0 |
| MO SAINT LOUIS | 88 | 71 | 97 | 64 | 80 | -1 | 0.22 | -0.63 | 0.13 | 3.54 | 52 | 24.40 | 108 | 88 | 60 | 3 | 0 | 2 | 0 |
| MO SPRINGFIELD | 86 | 66 | 91 | 59 | 76 | -3 | 0.71 | 0.05 | 0.69 | 7.23 | 92 | 25.05 | 100 | 92 | 62 | 2 | 0 | 2 | 1 |
| MT BILLINGS | 86 | 62 | 100 | 49 | 74 | 1 | 0.01 | -0.24 | 0.01 | 3.80 | 132 | 7.06 | 74 | 62 | 28 | 2 | 0 | 1 | 0 |
| MT BUTTE | 79 | 51 | 83 | 45 | 65 | 1 | 0.34 | 0.04 | 0.24 | 2.89 | 91 | 6.80 | 84 | 88 | 29 | 0 | 0 | 2 | 0 |
| MT GLASGOW | 86 | 58 | 100 | 49 | 72 | 1 | 0.13 | -0.22 | 0.12 | 3.74 | 105 | 9.07 | 127 | 83 | 45 | 2 | 0 | 2 | 0 |
| MT GREAT FALLS | 85 | 55 | 93 | 46 | 70 | 3 | 0.00 | -0.30 | 0.00 | 3.25 | 98 | 7.81 | 83 | 75 | 21 | 2 | 0 | 0 | 0 |
| MT HAVRE | 86 | 56 | 99 | 46 | 71 | 2 | 0.02 | -0.29 | 0.02 | 2.77 | 91 | 7.38 | 101 | 69 | 36 | 2 | 0 | 1 | 0 |
| MT KALISPELL | 83 | 55 | 88 | 47 | 69 | 4 | 0.16 | -0.10 | 0.16 | 2.40 | 71 | 8.17 | 79 | 83 | 51 | 0 | 0 | 1 | 0 |
| MT MISSOULA | 86 | 59 | 93 | 51 | 72 | 4 | 0.39 | 0.17 | 0.30 | 1.78 | 70 | 8.86 | 106 | 75 | 41 | 1 | 0 | 3 | 0 |
| NE GRAND ISLAND | 84 | 65 | 98 | 56 | 74 | -2 | 0.61 | -0.08 | 0.58 | 5.87 | 96 | 13.21 | 82 | 89 | 60 | 3 | 0 | 2 | 1 |
| NE LINCOLN | 86 | 66 | 99 | 57 | 76 | -2 | 0.23 | -0.57 | 0.17 | 5.34 | 86 | 14.11 | 84 | 89 | 62 | 3 | 0 | 2 | 0 |
| NE NORFOLK | 86 | 65 | 97 | 53 | 75 | 0 | 0.38 | -0.41 | 0.16 | 7.00 | 98 | 20.72 | 122 | 88 | 58 | 3 | 0 | 3 | 0 |
| NE NORTH PLATTE | 86 | 61 | 98 | 51 | 73 | -2 | 0.52 | -0.18 | 0.20 | 8.41 | 150 | 12.24 | 94 | 90 | 44 | 4 | 0 | 4 | 0 |
| NE OMAHA | 84 | 67 | 95 | 60 | 76 | -1 | 2.82 | 1.98 | 2.68 | 9.21 | 133 | 25.44 | 141 | 92 | 69 | 3 | 0 | 3 | 1 |
| NE SCOTTSBLUFF | 83 | 57 | 100 | 51 | 70 | -4 | 1.62 | 1.20 | 0.93 | 3.58 | 83 | 5.93 | 53 | 88 | 50 | 4 | 0 | 3 | 2 |
| NE VALENTINE | 90 | 60 | 104 | 47 | 75 | 0 | 0.10 | -0.65 | 0.06 | 4.59 | 82 | 11.29 | 89 | 87 | 41 | 4 | 0 | 2 | 0 |
| NV ELY | 87 | 49 | 90 | 45 | 68 | 0 | 0.15 | 0.01 | 0.08 | 1.45 | 139 | 4.00 | 69 | 79 | 29 | 1 | 0 | 2 | 0 |
| NV LAS VEGAS | 108 | 82 | 110 | 79 | 95 | 3 | 0.00 | -0.11 | 0.00 | 0.05 | 14 | 2.66 | 102 | 26 | 17 | 7 | 0 | 0 | 0 |
| NV RENO | 96 | 65 | 100 | 63 | 81 | 9 | 0.00 | -0.03 | 0.00 | 0.20 | 33 | 4.30 | 95 | 50 | 31 | 7 | 0 | 0 | 0 |
| NH WINNEMUCCA | 95 | 59 | 98 | 51 | 77 | 4 | 0.08 | 0.05 | 0.06 | 0.34 | 40 | 2.96 | 58 | 57 | 27 | 7 | 0 | 3 | 0 |
| NH CONCORD | 82 | 61 | 88 | 55 | 72 | 1 | 0.96 | 0.22 | 0.60 | 4.91 | 87 | 19.75 | 97 | 97 | 57 | 0 | 0 | 5 | 1 |
| NJ NEWARK | 83 | 68 | 90 | 65 | 75 | -3 | 3.26 | 2.17 | 1.63 | 9.58 | 137 | 26.17 | 99 | 89 | 67 | 1 | 0 | 4 | 2 |
| NM ALBUQUERQUE | 91 | 67 | 97 | 61 | 79 | 1 | 1.70 | 1.38 | 1.19 | 2.36 | 155 | 7.29 | 175 | 75 | 30 | 5 | 0 | 6 | 1 |
| NY ALBANY | 81 | 63 | 88 | 57 | 72 | 0 | 0.75 | 0.01 | 0.37 | 6.54 | 103 | 18.07 | 86 | 94 | 59 | 0 | 0 | 4 | 0 |
| NY BINGHAMTON | 75 | 60 | 82 | 54 | 68 | -1 | 1.43 | 0.70 | 0.56 | 5.86 | 90 | 19.32 | 90 | 97 | 72 | 0 | 0 | 5 | 2 |
| NY BUFFALO | 76 | 62 | 84 | 55 | 69 | -2 | 0.30 | -0.36 | 0.26 | 5.79 | 93 | 22.66 | 107 | 91 | 64 | 0 | 0 | 2 | 0 |
| NY ROCHESTER | 76 | 60 | 85 | 53 | 69 | -2 | 0.50 | -0.11 | 0.41 | 6.81 | 122 | 20.38 | 113 | 94 | 69 | 0 | 0 | 3 | 0 |
| NY SYRACUSE | 80 | 62 | 89 | 54 | 71 | 0 | 0.46 | -0.39 | 0.36 | 6.23 | 91 | 22.85 | 107 | 91 | 58 | 0 | 0 | 3 | 0 |
| NC ASHEVILLE | 83 | 62 | 84 | 57 | 72 | -1 | 0.96 | 0.11 | 0.90 | 10.90 | 149 | 24.19 | 87 | 92 | 55 | 0 | 0 | 3 | 1 |
| NC CHARLOTTE | 88 | 67 | 91 | 64 | 78 | -2 | 0.00 | -0.85 | 0.00 | 13.28 | 211 | 23.48 | 95 | 92 | 50 | 2 | 0 | 0 | 0 |
| NC GREENSBORO | 87 | 67 | 91 | 64 | 77 | -1 | 0.06 | -0.94 | 0.06 | 7.80 | 112 | 17.27 | 70 | 93 | 51 | 2 | 0 | 1 | 0 |
| NC HATTERAS | 83 | 72 | 85 | 68 | 77 | -3 | 1.75 | 0.55 | 0.71 | 4.87 | 65 | 17.60 | 60 | 91 | 71 | 0 | 0 | 5 | 1 |
| NC RALEIGH | 87 | 68 | 91 | 66 | 77 | -2 | 1.52 | 0.54 | 0.92 | 9.02 | 134 | 22.14 | 89 | 95 | 65 | 2 | 0 | 3 | 1 |
| NC WILMINGTON | 88 | 71 | 90 | 69 | 80 | -1 | 0.60 | -1.16 | 0.37 | 7.13 | 63 | 21.65 | 70 | 97 | 57 | 1 | 0 | 3 | 0 |
| ND BISMARCK | 88 | 58 | 103 | 42 | 73 | 2 | 0.05 | -0.50 | 0.05 | 4.91 | 108 | 9.24 | 92 | 85 | 37 | 3 | 0 | 1 | 0 |
| ND DICKINSON | 86 | 55 | 100 | 44 | 70 | -1 | 0.11 | -0.26 | 0.11 | 3.85 | 77 | 7.44 | 71 | 89 | 27 | 3 | 0 | 1 | 0 |
| ND FARGO | 82 | 57 | 90 | 45 | 70 | -1 | 0.00 | -0.59 | 0.00 | 4.52 | 79 | 13.87 | 113 | 91 | 49 | 1 | 0 | 0 | 0 |
| ND GRAND FORKS | 81 | 55 | 89 | 45 | 68 | -2 | 0.14 | -0.52 | 0.12 | 2.27 | 42 | 11.00 | 100 | 94 | 46 | 0 | 0 | 3 | 0 |
| ND JAMESTOWN | 84 | 57 | 93 | 46 | 70 | -2 | 1.18 | -0.51 | 0.16 | 5.20 | 94 | 14.73 | 132 | 94 | 42 | 2 | 0 | 3 | 0 |
| ND WILLISTON | 86 | 55 | 97 | 40 | 70 | 0 | 0.01 | -0.46 | 0.01 | 4.32 | 104 | 9.74 | 111 | 85 | 40 | 2 | 0 | 1 | 0 |
| OH AKRON-CANTON | 79 | 60 | 85 | 51 | 70 | -2 | 0.18 | -0.72 | 0.11 | 7.77 | 117 | 25.63 | 117 | 91 | 67 | 0 | 0 | 3 | 0 |
| OH CINCINNATI | 83 | 63 | 90 | 59 | 73 | -4 | 1.21 | 0.38 | 0.75 | 6.90 | 95 | 27.01 | 106 | 87 | 57 | 2 | 0 | 4 | 1 |
| OH CLEVELAND | 79 | 63 | 88 | 60 | 71 | -1 | 0.03 | -0.70 | 0.03 | 4.05 | 61 | 21.73 | 103 | 84 | 53 | 0 | 0 | 1 | 0 |
| OH COLUMBUS | 82 | 62 | 87 | 54 | 72 | -3 | 1.18 | 0.16 | 0.88 | 8.31 | 109 | 28.60 | 128 | 91 | 55 | 0 | 0 | 3 | 1 |
| OH DAYTON | 82 | 62 | 89 | 54 | 72 | -3 | 0.60 | -0.20 | 0.47 | 7.31 | 103 | 27.73 | 118 | 91 | 51 | 0 | 0 | 3 | 0 |
| OH MANSFIELD | 79 | 59 | 85 | 50 | 69 | -2 | 0.21 | -0.71 | 0.16 | 10.12 | 131 | 28.83 | 118 | 96 | 57 | 0 | 0 | 4 | 0 |

Weather Data for the Week Ending July 24, 2004

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|-----------------------|-------------------------|-----------------------|----------------------------|-----------------|-----------------|--------------|--------------|------------------|------------------|---|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN, SINCE Jun 1 | PCT. NORMAL SINCE Jun 1 | TOTAL IN, SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. | | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE | |
| OK | TOLEDO | 83 | 62 | 90 | 53 | 72 | -1 | 0.54 | -0.01 | 0.52 | 4.79 | 81 | 14.59 | 78 | 86 | 50 | 1 | 0 | 2 | 1 |
| | YOUNGSTOWN | 78 | 60 | 85 | 52 | 69 | -1 | 0.01 | -0.85 | 0.01 | 5.48 | 77 | 24.03 | 113 | 93 | 61 | 0 | 0 | 1 | 0 |
| | OKLAHOMA CITY | 92 | 68 | 97 | 64 | 80 | -3 | 0.40 | -0.19 | 0.20 | 9.09 | 131 | 18.52 | 88 | 91 | 45 | 6 | 0 | 2 | 0 |
| | TULSA | 92 | 71 | 96 | 63 | 81 | -3 | 3.12 | 2.54 | 1.95 | 12.85 | 182 | 31.63 | 131 | 85 | 57 | 5 | 0 | 2 | 2 |
| OR | ASTORIA | 77 | 57 | 96 | 52 | 67 | 6 | 0.01 | -0.16 | 0.01 | 1.79 | 51 | 33.33 | 91 | 91 | 65 | 1 | 0 | 1 | 0 |
| | BURNS | 90 | 52 | 98 | 48 | 71 | 4 | 0.06 | -0.02 | 0.06 | 0.53 | 56 | 5.35 | 84 | 67 | 30 | 4 | 0 | 1 | 0 |
| | EUGENE | 92 | 57 | 103 | 52 | 74 | 7 | 0.08 | -0.01 | 0.05 | 1.44 | 72 | 18.85 | 67 | 86 | 50 | 4 | 0 | 2 | 0 |
| | MEDFORD | 96 | 64 | 105 | 58 | 80 | 6 | 0.00 | -0.06 | 0.00 | 0.18 | 20 | 9.81 | 100 | 60 | 27 | 5 | 0 | 0 | 0 |
| | PENDLETON | 92 | 62 | 103 | 55 | 77 | 3 | 0.44 | 0.36 | 0.44 | 1.84 | 172 | 9.75 | 133 | 62 | 35 | 4 | 0 | 1 | 0 |
| | PORTLAND | 91 | 64 | 103 | 60 | 77 | 8 | 0.04 | -0.07 | 0.04 | 1.28 | 60 | 14.42 | 72 | 80 | 51 | 3 | 0 | 1 | 0 |
| | SALEM | 92 | 60 | 104 | 56 | 76 | 8 | 0.06 | -0.01 | 0.06 | 1.87 | 99 | 19.31 | 88 | 80 | 49 | 3 | 0 | 1 | 0 |
| PA | ALLENTOWN | 81 | 64 | 88 | 60 | 72 | -2 | 1.46 | 0.50 | 0.81 | 8.65 | 119 | 23.03 | 92 | 90 | 63 | 0 | 0 | 3 | 2 |
| | ERIE | 77 | 64 | 84 | 57 | 70 | -3 | 0.32 | -0.34 | 0.20 | 5.28 | 78 | 23.75 | 111 | 84 | 67 | 0 | 0 | 3 | 0 |
| | MIDDLETOWN | 81 | 67 | 87 | 64 | 74 | -2 | 1.96 | 1.18 | 1.67 | 9.83 | 148 | 24.35 | 105 | 94 | 61 | 0 | 0 | 4 | 1 |
| | PHILADELPHIA | 82 | 69 | 88 | 66 | 76 | -2 | 1.20 | 0.19 | 0.79 | 10.79 | 162 | 28.18 | 117 | 86 | 63 | 0 | 0 | 2 | 1 |
| | PITTSBURGH | 80 | 62 | 84 | 57 | 71 | -2 | 0.14 | -0.70 | 0.12 | 7.95 | 110 | 29.35 | 132 | 98 | 61 | 0 | 0 | 2 | 0 |
| | WILKES-BARRE | 79 | 62 | 85 | 58 | 70 | -3 | 1.19 | 0.42 | 0.75 | 6.84 | 99 | 20.15 | 95 | 94 | 60 | 0 | 0 | 3 | 1 |
| | WILLIAMSPORT | 81 | 62 | 88 | 57 | 71 | -2 | 0.56 | -0.27 | 0.45 | 6.98 | 91 | 23.22 | 98 | 94 | 63 | 0 | 0 | 3 | 0 |
| RI | PROVIDENCE | 81 | 66 | 86 | 63 | 74 | 0 | 0.49 | -0.21 | 0.24 | 3.95 | 69 | 20.09 | 78 | 91 | 69 | 0 | 0 | 3 | 0 |
| SC | BEAUFORT | 91 | 73 | 92 | 71 | 82 | 0 | 1.05 | -0.21 | 0.67 | 8.66 | 87 | 19.46 | 72 | 98 | 56 | 5 | 0 | 5 | 1 |
| | CHARLESTON | 91 | 73 | 94 | 70 | 82 | 0 | 0.60 | -0.75 | 0.55 | 5.65 | 53 | 19.13 | 68 | 97 | 61 | 5 | 0 | 3 | 1 |
| | COLUMBIA | 93 | 71 | 97 | 67 | 82 | 0 | 0.16 | -1.08 | 0.16 | 11.01 | 119 | 20.96 | 74 | 86 | 57 | 5 | 0 | 1 | 0 |
| | GREENVILLE | 87 | 68 | 90 | 63 | 77 | -2 | 0.51 | -0.56 | 0.40 | 9.73 | 130 | 20.33 | 69 | 94 | 56 | 1 | 0 | 3 | 0 |
| SD | ABERDEEN | 83 | 60 | 90 | 50 | 71 | -2 | 0.51 | -0.10 | 0.51 | 6.42 | 112 | 15.15 | 121 | 94 | 56 | 2 | 0 | 1 | 1 |
| | HURON | 86 | 60 | 96 | 48 | 73 | -1 | 0.09 | -0.50 | 0.09 | 7.57 | 137 | 16.62 | 123 | 95 | 45 | 4 | 0 | 1 | 0 |
| | RAPID CITY | 87 | 59 | 103 | 51 | 73 | 0 | 0.19 | -0.22 | 0.12 | 3.72 | 85 | 8.92 | 81 | 80 | 33 | 4 | 0 | 3 | 0 |
| | SIoux FALLS | 83 | 62 | 91 | 52 | 72 | -2 | 0.00 | -0.63 | 0.00 | 7.35 | 128 | 20.42 | 140 | 90 | 59 | 2 | 0 | 0 | 0 |
| TN | BRISTOL | 84 | 62 | 88 | 57 | 73 | -1 | 0.32 | -0.61 | 0.24 | 5.90 | 82 | 25.24 | 99 | 99 | 50 | 0 | 0 | 4 | 0 |
| | CHATTANOOGA | 89 | 67 | 94 | 63 | 78 | -2 | 0.00 | -1.04 | 0.00 | 7.65 | 99 | 26.34 | 81 | 88 | 53 | 2 | 0 | 0 | 0 |
| | KNOXVILLE | 87 | 66 | 91 | 62 | 76 | -2 | 0.17 | -0.87 | 0.17 | 10.77 | 139 | 29.85 | 99 | 93 | 48 | 1 | 0 | 1 | 0 |
| | MEMPHIS | 90 | 72 | 95 | 70 | 81 | -2 | 0.74 | -0.15 | 0.74 | 5.99 | 78 | 30.34 | 93 | 83 | 47 | 4 | 0 | 1 | 1 |
| | NASHVILLE | 88 | 68 | 92 | 64 | 78 | -2 | 0.00 | -0.82 | 0.00 | 5.67 | 81 | 33.50 | 117 | 86 | 48 | 2 | 0 | 0 | 0 |
| TX | ABILENE | 92 | 70 | 97 | 69 | 81 | -3 | 0.21 | -0.13 | 0.16 | 4.30 | 100 | 16.93 | 138 | 82 | 46 | 5 | 0 | 3 | 0 |
| | AMARILLO | 86 | 65 | 94 | 61 | 76 | -2 | 2.92 | 2.34 | 1.94 | 8.35 | 158 | 14.51 | 127 | 89 | 48 | 4 | 0 | 5 | 2 |
| | AUSTIN | 94 | 69 | 96 | 64 | 82 | -3 | 0.00 | -0.41 | 0.00 | 14.18 | 269 | 31.57 | 168 | 86 | 51 | 7 | 0 | 0 | 0 |
| | BEAUMONT | 94 | 74 | 97 | 71 | 84 | 1 | 0.01 | -1.05 | 0.01 | 11.51 | 108 | 37.57 | 113 | 93 | 46 | 7 | 0 | 1 | 0 |
| | BROWNSVILLE | 97 | 77 | 99 | 75 | 87 | 3 | 0.00 | -0.31 | 0.00 | 3.59 | 83 | 18.12 | 148 | 92 | 50 | 7 | 0 | 0 | 0 |
| | CORPUS CHRISTI | 94 | 75 | 98 | 73 | 84 | 0 | 0.00 | -0.39 | 0.00 | 3.56 | 71 | 23.35 | 148 | 95 | 65 | 7 | 0 | 0 | 0 |
| | DEL RIO | 98 | 75 | 102 | 73 | 87 | 1 | 0.00 | -0.41 | 0.00 | 2.28 | 58 | 13.07 | 126 | 80 | 48 | 7 | 0 | 0 | 0 |
| | EL PASO | 96 | 74 | 103 | 67 | 85 | 2 | 0.11 | -0.23 | 0.10 | 1.08 | 55 | 3.86 | 105 | 52 | 25 | 6 | 0 | 2 | 0 |
| | FORT WORTH | 95 | 74 | 97 | 71 | 85 | 0 | 0.00 | -0.48 | 0.00 | 10.51 | 219 | 26.79 | 131 | 79 | 36 | 7 | 0 | 0 | 0 |
| | GALVESTON | 90 | 79 | 93 | 78 | 85 | 0 | 0.21 | -0.50 | 0.20 | 11.41 | 170 | 28.96 | 129 | 87 | 61 | 4 | 0 | 2 | 0 |
| | HOUSTON | 94 | 76 | 98 | 74 | 85 | 1 | 0.13 | -0.48 | 0.12 | 18.53 | 238 | 45.18 | 170 | 91 | 54 | 7 | 0 | 2 | 0 |
| | LUBBOCK | 91 | 68 | 96 | 64 | 80 | 0 | 0.25 | -0.16 | 0.23 | 3.62 | 79 | 13.24 | 130 | 81 | 53 | 5 | 0 | 2 | 0 |
| | MIDLAND | 94 | 73 | 98 | 68 | 83 | 1 | 0.42 | 0.01 | 0.42 | 2.43 | 78 | 7.23 | 101 | 69 | 41 | 6 | 0 | 1 | 0 |
| | SAN ANGELO | 95 | 69 | 99 | 67 | 82 | -1 | 0.65 | 0.45 | 0.55 | 4.32 | 131 | 11.86 | 108 | 82 | 48 | 7 | 0 | 3 | 1 |
| | SAN ANTONIO | 94 | 74 | 99 | 71 | 84 | -1 | 0.03 | -0.36 | 0.03 | 9.85 | 169 | 23.05 | 125 | 88 | 44 | 7 | 0 | 1 | 0 |
| | VICTORIA | 93 | 73 | 95 | 71 | 83 | -2 | 1.60 | 1.06 | 1.01 | 16.83 | 232 | 43.32 | 196 | 94 | 59 | 7 | 0 | 3 | 2 |
| | WACO | 96 | 72 | 99 | 64 | 84 | -2 | 0.00 | -0.47 | 0.00 | 7.92 | 165 | 31.81 | 167 | 87 | 47 | 7 | 0 | 0 | 0 |
| | WICHITA FALLS | 97 | 70 | 101 | 67 | 83 | -2 | 0.00 | -0.28 | 0.00 | 7.74 | 159 | 17.53 | 107 | 87 | 42 | 7 | 0 | 0 | 0 |
| UT | SALT LAKE CITY | 92 | 66 | 93 | 61 | 79 | 1 | 0.09 | -0.08 | 0.05 | 2.04 | 159 | 8.90 | 89 | 61 | 26 | 7 | 0 | 2 | 0 |
| VT | BURLINGTON | 80 | 62 | 87 | 53 | 71 | 0 | 3.30 | 2.42 | 1.69 | 10.55 | 164 | 20.56 | 109 | 94 | 56 | 0 | 0 | 5 | 2 |
| VA | LYNCHBURG | 85 | 63 | 89 | 60 | 74 | -1 | 0.68 | -0.29 | 0.39 | 6.46 | 90 | 16.68 | 66 | 95 | 51 | 0 | 0 | 3 | 0 |
| | NORFOLK | 83 | 72 | 89 | 69 | 77 | -2 | 5.73 | 4.52 | 3.43 | 14.33 | 186 | 27.33 | 104 | 96 | 68 | 0 | 0 | 4 | 2 |
| | RICHMOND | 84 | 69 | 91 | 66 | 77 | -1 | 1.74 | 0.64 | 1.14 | 14.56 | 205 | 26.54 | 107 | 96 | 69 | 1 | 0 | 5 | 1 |
| | ROANOKE | 84 | 66 | 88 | 61 | 75 | -2 | 1.13 | 0.23 | 0.82 | 10.55 | 156 | 24.66 | 100 | 87 | 54 | 0 | 0 | 3 | 1 |
| | WASH/DULLES | 84 | 65 | 90 | 61 | 75 | -1 | 0.85 | 0.08 | 0.44 | 6.96 | 103 | 20.46 | 87 | 90 | 58 | 1 | 0 | 3 | 0 |
| WA | OLYMPIA | 86 | 55 | 99 | 49 | 71 | 8 | 0.00 | -0.12 | 0.00 | 0.96 | 40 | 19.31 | 71 | 80 | 51 | 3 | 0 | 0 | 0 |
| | QUILLAYUTE | 77 | 54 | 93 | 48 | 66 | 7 | 0.57 | 0.07 | 0.44 | 5.07 | 96 | 40.13 | 73 | 94 | 68 | 2 | 0 | 3 | 0 |
| | SEATTLE-TACOMA | 86 | 63 | 96 | 60 | 74 | 8 | 0.00 | -0.13 | 0.00 | 0.97 | 47 | 15.11 | 77 | 77 | 51 | 2 | 0 | 0 | 0 |
| | SPOKANE | 87 | 63 | 95 | 55 | 75 | 5 | 0.08 | -0.06 | 0.05 | 1.13 | 65 | 8.86 | 93 | 67 | 29 | 2 | 0 | 2 | 0 |
| | YAKIMA | 91 | 59 | 99 | 52 | 75 | 5 | 0.46 | 0.43 | 0.46 | 1.03 | 136 | 5.16 | 115 | 77 | 39 | 4 | 0 | 1 | 0 |
| WV | BECKLEY | 76 | 59 | 81 | 55 | 67 | -4 | 1.72 | 0.65 | 1.61 | 10.43 | 137 | 31.03 | 123 | 98 | 68 | 0 | 0 | 4 | 1 |
| | CHARLESTON | 81 | 63 | 89 | 61 | 72 | -2 | 1.91 | 0.81 | 1.73 | 8.28 | 106 | 31.94 | 124 | 99 | 65 | 0 | 0 | 2 | 1 |
| | ELKINS | 79 | 58 | 83 | 56 | 68 | -2 | 1.03 | -0.04 | 0.88 | 10.69 | 128 | 33.62 | 124 | 99 | 61 | 0 | 0 | 4 | 1 |
| | HUNTINGTON | 84 | 63 | 89 | 60 | 74 | -2 | 0.39 | -0.63 | 0.34 | 4.37 | 60 | 24.45 | 97 | 94 | 54 | 0 | 0 | 4 | 0 |
| WI | EAU CLAIRE | 81 | 60 | 88 | 49 | 70 | -2 | 0.79 | -0.07 | 0.53 | 4.85 | 67 | 18.31 | 104 | 93 | 49 | 0 | 0 | 3 | 1 |
| | GREEN BAY | 81 | 59 | 87 | 50 | 70 | 0 | 0.00 | -0.74 | 0.00 | 6.43 | 106 | 22.84 | 146 | 89 | 48 | 0 | 0 | 0 | 0 |
| | LA CROSSE | 82 | 63 | 88 | 56 | 73 | -1 | 0.81 | -0.12 | 0.71 | 12.23 | 168 | 29.09 | 160 | 94 | 53 | 0 | 0 | 3 | 1 |
| | MADISON | 80 | 61 | 89 | 53 | 70 | -2 | 0.28 | -0.57 | 0.28 | 7.46 | 106 | 25.74 | 140 | 87 | 60 | 0 | 0 | 1 | 0 |
| | MILWAUKEE | 77 | 63 | 87 | 53 | 70 | -2 | 0.28 | -0.49 | 0.28 | 7.36 | 117 | 23.95 | 125 | 85 | 66 | 0 | 0 | 1 | 0 |
| WY | CASPER | 82 | 56 | 94 | 48 | 69 | -2 | 0.23 | -0.05 | 0.12 | 2.80 | 116 | 5.84 | 69 | 77 | 44 | 2 | 0 | 3 | 0 |
| | CHEYENNE | 75 | 55 | 89 | 47 | 65 | -3 | 0.90 | 0.40 | 0.61 | 4.56 | 119 | 7.55 | 77 | 81 | 50 | 0 | 0 | 4 | 1 |
| | LANDER | 81 | 56 | 94 | 48 | 69 | -3 | 1.05 | 0.88 | 0.77 | 2.93 | 165 | 8.73 | 102 | 60 | 37 | 2 | 0 | 2 | 1 |
| | SHERIDAN | 83 | 55 | 101 | 44 | 69 | -1 | 0.47 | 0.28 | 0.32</ | | | | | | | | | | |

Crop Progress and Condition

Week Ending July 25, 2004

Weekly U.S. Crop Progress and Condition Tables provided by USDA/NASS

| Corn Percent Silking | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| CO | 30 | 10 | 51 | 43 |
| IL | 97 | 83 | 79 | 85 |
| IN | 94 | 82 | 54 | 76 |
| IA | 73 | 38 | 56 | 69 |
| KS | 89 | 77 | 85 | 86 |
| KY | 91 | 89 | 73 | 84 |
| MI | 47 | 19 | 20 | 41 |
| MN | 52 | 12 | 75 | 70 |
| MO | 95 | 91 | 87 | 87 |
| NE | 81 | 49 | 67 | 73 |
| NC | 99 | 96 | 90 | 93 |
| ND | 14 | 1 | 55 | 56 |
| OH | 85 | 67 | 54 | 61 |
| PA | 67 | 58 | 24 | 46 |
| SD | 26 | 1 | 22 | 33 |
| TN | 99 | 95 | 94 | 96 |
| TX | 91 | 85 | 92 | 90 |
| WI | 25 | 10 | 28 | 36 |
| 18 Sts | 72 | 50 | 61 | 69 |
| These 18 States planted 92% of last year's corn acreage. | | | | |

| Corn Percent Dough | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| CO | 1 | 0 | 2 | 3 |
| IL | 49 | 15 | 13 | 21 |
| IN | 24 | 10 | 6 | 13 |
| IA | 4 | 0 | 0 | 2 |
| KS | 28 | 18 | 22 | 26 |
| KY | 27 | 20 | 24 | 31 |
| MI | 0 | 0 | 0 | 0 |
| MN | 0 | 0 | 0 | 0 |
| MO | 52 | 36 | 37 | 40 |
| NE | 5 | 3 | 5 | 9 |
| NC | 79 | 52 | 32 | 59 |
| ND | 0 | 0 | 2 | 2 |
| OH | 15 | 5 | 1 | 6 |
| PA | 14 | 9 | 1 | 13 |
| SD | 0 | 0 | 0 | 2 |
| TN | 75 | 50 | 61 | 58 |
| TX | 69 | 63 | 70 | 68 |
| WI | 0 | 0 | 0 | 1 |
| 18 Sts | 19 | 9 | 9 | 12 |
| These 18 States planted 92% of last year's corn acreage. | | | | |

| Corn Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| CO | 0 | 4 | 19 | 40 | 37 |
| IL | 0 | 1 | 14 | 64 | 21 |
| IN | 3 | 4 | 16 | 53 | 24 |
| IA | 2 | 5 | 14 | 52 | 27 |
| KS | 0 | 5 | 15 | 58 | 22 |
| KY | 0 | 3 | 17 | 42 | 38 |
| MI | 5 | 12 | 31 | 36 | 16 |
| MN | 1 | 5 | 27 | 54 | 13 |
| MO | 1 | 4 | 13 | 55 | 27 |
| NE | 1 | 2 | 13 | 50 | 34 |
| NC | 0 | 2 | 16 | 65 | 17 |
| ND | 1 | 5 | 24 | 57 | 13 |
| OH | 4 | 10 | 24 | 45 | 17 |
| PA | 1 | 5 | 15 | 40 | 39 |
| SD | 0 | 2 | 16 | 55 | 27 |
| TN | 1 | 3 | 11 | 50 | 35 |
| TX | 0 | 3 | 10 | 35 | 52 |
| WI | 5 | 14 | 24 | 37 | 20 |
| 18 Sts | 1 | 5 | 17 | 52 | 25 |
| Prev Wk | 2 | 4 | 18 | 51 | 25 |
| Prev Yr | 3 | 7 | 21 | 48 | 21 |

| Spring Wheat Percent Headed | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 97 | 94 | 98 | 96 |
| MN | 97 | 94 | 99 | 98 |
| MT | 90 | 84 | 97 | 94 |
| ND | 90 | 82 | 94 | 92 |
| SD | 100 | 100 | 100 | 99 |
| WA | 100 | 99 | 100 | 100 |
| 6 Sts | 93 | 87 | 96 | 94 |
| These 6 States planted 98% of last year's spring wheat acreage. | | | | |

| Spring Wheat Crop Condition by Percent | | | | | |
|--|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 1 | 11 | 75 | 13 |
| MN | 1 | 6 | 34 | 41 | 18 |
| MT | 4 | 8 | 26 | 54 | 8 |
| ND | 2 | 6 | 17 | 51 | 24 |
| SD | 4 | 6 | 20 | 50 | 20 |
| WA | 3 | 3 | 33 | 54 | 7 |
| 6 Sts | 2 | 6 | 22 | 52 | 18 |
| Prev Wk | 2 | 6 | 24 | 52 | 16 |
| Prev Yr | 3 | 11 | 26 | 46 | 14 |

| Winter Wheat Percent Harvested | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 100 | 99 | 100 | 100 |
| CA | 100 | 99 | 94 | 97 |
| CO | 94 | 77 | 94 | 95 |
| ID | 6 | 2 | 14 | 9 |
| IL | 100 | 96 | 98 | 99 |
| IN | 100 | 99 | 94 | 99 |
| KS | 100 | 99 | 100 | 100 |
| MI | 58 | 25 | 39 | 78 |
| MO | 100 | 99 | 100 | 100 |
| MT | 1 | 0 | 32 | 19 |
| NE | 92 | 65 | 92 | 92 |
| NC | 100 | 99 | 99 | 100 |
| OH | 100 | 97 | 93 | 98 |
| OK | 100 | 100 | 100 | 100 |
| OR | 23 | 12 | 46 | 32 |
| SD | 56 | 12 | 73 | 63 |
| TX | 100 | 100 | 99 | 100 |
| WA | 15 | 6 | 16 | 13 |
| 18 Sts | 83 | 76 | 85 | 85 |
| These 18 States harvested 92% of last year's winter wheat acreage. | | | | |

Crop Progress and Condition

Week Ending July 25, 2004

Weekly U.S. Crop Progress and Condition Tables provided by USDA/NASS

| Soybeans Percent Blooming | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 71 | 61 | 52 | 55 |
| IL | 85 | 77 | 64 | 76 |
| IN | 77 | 67 | 50 | 72 |
| IA | 87 | 69 | 75 | 82 |
| KS | 74 | 61 | 60 | 65 |
| KY | 59 | 48 | 30 | 50 |
| LA | 89 | 82 | 71 | 82 |
| MI | 45 | 30 | 57 | 59 |
| MN | 73 | 46 | 80 | 77 |
| MS | 96 | 92 | 89 | 92 |
| MO | 58 | 48 | 48 | 53 |
| NE | 74 | 65 | 67 | 74 |
| NC | 39 | 24 | 15 | 25 |
| ND | 68 | 31 | 77 | 77 |
| OH | 77 | 66 | 63 | 72 |
| SD | 65 | 50 | 74 | 70 |
| TN | 59 | 35 | 33 | 49 |
| WI | 41 | 29 | 47 | 48 |
| 18 Sts | 74 | 59 | 64 | 70 |
| These 18 States planted 96% of last year's soybean acreage. | | | | |

| Soybeans Percent Setting Pods | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 48 | 31 | 28 | 27 |
| IL | 48 | 25 | 13 | 28 |
| IN | 36 | 22 | 11 | 27 |
| IA | 43 | 19 | 24 | 37 |
| KS | 32 | 15 | 20 | 27 |
| KY | 32 | 18 | 8 | 24 |
| LA | 61 | 55 | 57 | 63 |
| MI | 12 | 5 | 8 | 18 |
| MN | 16 | 2 | 18 | 18 |
| MS | 90 | 82 | 76 | 76 |
| MO | 22 | 13 | 12 | 19 |
| NE | 28 | 11 | 9 | 21 |
| NC | 11 | 5 | 0 | 7 |
| ND | 7 | 1 | 32 | 36 |
| OH | 37 | 15 | 15 | 22 |
| SD | 13 | 2 | 19 | 25 |
| TN | 34 | 13 | 14 | 25 |
| WI | 10 | 0 | 6 | 12 |
| 18 Sts | 32 | 16 | 18 | 27 |
| These 18 States planted 96% of last year's soybean acreage. | | | | |

| Soybeans Crop Condition by Percent | | | | | |
|------------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 3 | 7 | 29 | 44 | 17 |
| IL | 0 | 3 | 19 | 63 | 15 |
| IN | 3 | 5 | 20 | 52 | 20 |
| IA | 2 | 5 | 18 | 50 | 25 |
| KS | 0 | 4 | 13 | 64 | 19 |
| KY | 0 | 6 | 15 | 43 | 36 |
| LA | 6 | 21 | 35 | 35 | 3 |
| MI | 3 | 9 | 39 | 37 | 12 |
| MN | 1 | 9 | 35 | 47 | 8 |
| MS | 0 | 6 | 18 | 52 | 24 |
| MO | 2 | 6 | 24 | 52 | 16 |
| NE | 1 | 3 | 19 | 53 | 24 |
| NC | 1 | 3 | 31 | 56 | 9 |
| ND | 0 | 5 | 28 | 55 | 12 |
| OH | 5 | 12 | 29 | 43 | 11 |
| SD | 0 | 2 | 16 | 61 | 21 |
| TN | 2 | 3 | 14 | 54 | 27 |
| WI | 3 | 14 | 22 | 39 | 22 |
| 18 Sts | 2 | 6 | 23 | 51 | 18 |
| Prev Wk | 2 | 6 | 24 | 52 | 16 |
| Prev Yr | 2 | 7 | 25 | 50 | 16 |

| Oats Percent Headed | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| IA | 100 | 100 | 100 | 100 |
| MN | 98 | 92 | 99 | 99 |
| NE | 100 | 99 | 100 | 100 |
| ND | 94 | 84 | 95 | 92 |
| OH | 100 | 100 | 100 | 100 |
| PA | 95 | 95 | 97 | 98 |
| SD | 100 | 99 | 100 | 100 |
| WI | 100 | 94 | 99 | 99 |
| 8 Sts | 98 | 93 | 98 | 98 |
| These 8 States planted 53% of last year's oat acreage. | | | | |

| Oats Percent Harvested | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| IA | 36 | 10 | 42 | 54 |
| MN | 8 | 3 | 9 | 11 |
| NE | 63 | 24 | 70 | 73 |
| ND | 0 | 0 | 1 | 1 |
| OH | 30 | 14 | 13 | 34 |
| PA | 7 | 0 | 3 | 25 |
| SD | 13 | 1 | 29 | 28 |
| WI | 9 | 6 | 9 | 11 |
| 8 Sts | 14 | 5 | 17 | 21 |
| These 8 States harvested 66% of last year's oat acreage. | | | | |

| Oats Crop Condition by Percent | | | | | |
|--------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| IA | 1 | 3 | 15 | 62 | 19 |
| MN | 0 | 4 | 32 | 54 | 10 |
| NE | 11 | 13 | 23 | 42 | 11 |
| ND | 4 | 8 | 24 | 52 | 12 |
| OH | 2 | 4 | 27 | 59 | 8 |
| PA | 1 | 13 | 32 | 43 | 11 |
| SD | 6 | 8 | 23 | 50 | 13 |
| WI | 1 | 5 | 20 | 55 | 19 |
| 8 Sts | 3 | 7 | 24 | 53 | 13 |
| Prev Wk | 5 | 8 | 25 | 48 | 14 |
| Prev Yr | 1 | 6 | 25 | 54 | 14 |

Crop Progress and Condition

Week Ending July 25, 2004

Weekly U.S. Crop Progress and Condition Tables provided by USDA/NASS

| Sorghum Percent Headed | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 94 | 85 | 92 | 85 |
| CO | 14 | 4 | 13 | 11 |
| IL | 60 | 30 | 17 | 33 |
| KS | 21 | 13 | 19 | 28 |
| LA | 94 | 92 | 96 | 94 |
| MO | 42 | 31 | 38 | 42 |
| NE | 9 | 1 | 9 | 17 |
| NM | 7 | 3 | 3 | 9 |
| OK | 45 | 25 | 25 | 30 |
| SD | 25 | 5 | 33 | 26 |
| TX | 60 | 53 | 52 | 62 |
| 11 Sts | 38 | 30 | 34 | 41 |
| These 11 States planted 97% of last year's sorghum acreage. | | | | |

| Sorghum Percent Coloring | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 40 | 11 | 48 | 38 |
| CO | 0 | 0 | 0 | 0 |
| IL | 7 | 0 | 0 | 3 |
| KS | 1 | 1 | 1 | 3 |
| LA | 41 | 28 | 58 | 55 |
| MO | 4 | 1 | 5 | 5 |
| NE | 0 | 0 | 0 | 0 |
| NM | 0 | 0 | 0 | 0 |
| OK | 18 | 6 | 6 | 8 |
| SD | 2 | 0 | 8 | 6 |
| TX | 48 | 44 | 46 | 48 |
| 11 Sts | 20 | 17 | 19 | 21 |
| These 11 States planted 97% of last year's sorghum acreage. | | | | |

| Sorghum Crop Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 1 | 2 | 35 | 51 | 11 |
| CO | 0 | 1 | 38 | 39 | 22 |
| IL | 0 | 0 | 4 | 76 | 20 |
| KS | 1 | 4 | 26 | 54 | 15 |
| LA | 0 | 7 | 41 | 52 | 0 |
| MO | 0 | 2 | 24 | 62 | 12 |
| NE | 1 | 2 | 29 | 49 | 19 |
| NM | 0 | 4 | 67 | 29 | 0 |
| OK | 0 | 1 | 10 | 82 | 7 |
| SD | 1 | 2 | 41 | 46 | 10 |
| TX | 2 | 9 | 15 | 53 | 21 |
| 11 Sts | 1 | 5 | 23 | 54 | 17 |
| Prev Wk | 1 | 5 | 23 | 53 | 18 |
| Prev Yr | 4 | 16 | 40 | 36 | 4 |

| Cotton Percent Squaring | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 99 | 94 | 97 | 96 |
| AZ | 100 | 100 | 88 | 97 |
| AR | 100 | 100 | 98 | 100 |
| CA | 98 | 97 | 92 | 92 |
| GA | 98 | 95 | 95 | 96 |
| LA | 99 | 99 | 99 | 100 |
| MS | 97 | 94 | 95 | 99 |
| MO | 100 | 100 | 93 | 97 |
| NC | 100 | 98 | 93 | 91 |
| OK | 85 | 80 | 87 | 81 |
| SC | 93 | 87 | 84 | 90 |
| TN | 100 | 99 | 95 | 99 |
| TX | 85 | 80 | 78 | 87 |
| VA | 100 | 100 | 70 | 92 |
| 14 Sts | 93 | 89 | 87 | 92 |
| These 14 States planted 98% of last year's cotton acreage. | | | | |

| Cotton Percent Setting Bolls | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 70 | 50 | 53 | 68 |
| AZ | 80 | 65 | 71 | 82 |
| AR | 80 | 73 | 81 | 88 |
| CA | 60 | 45 | 44 | 48 |
| GA | 82 | 59 | 71 | 74 |
| LA | 91 | 83 | 90 | 92 |
| MS | 81 | 66 | 75 | 90 |
| MO | 70 | 64 | 55 | 77 |
| NC | 83 | 72 | 51 | 61 |
| OK | 45 | 20 | 34 | 35 |
| SC | 53 | 36 | 28 | 39 |
| TN | 70 | 48 | 40 | 69 |
| TX | 50 | 33 | 34 | 52 |
| VA | 91 | 72 | 9 | 41 |
| 14 Sts | 65 | 49 | 50 | 64 |
| These 14 States planted 98% of last year's cotton acreage. | | | | |

| Cotton Crop Condition by Percent | | | | | |
|----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AL | 4 | 9 | 20 | 59 | 8 |
| AZ | 0 | 3 | 27 | 42 | 28 |
| AR | 0 | 4 | 29 | 47 | 20 |
| CA | 0 | 0 | 5 | 25 | 70 |
| GA | 1 | 5 | 25 | 51 | 18 |
| LA | 10 | 17 | 34 | 36 | 3 |
| MS | 1 | 7 | 23 | 48 | 21 |
| MO | 0 | 0 | 15 | 73 | 12 |
| NC | 0 | 2 | 23 | 65 | 10 |
| OK | 2 | 2 | 21 | 64 | 11 |
| SC | 0 | 2 | 21 | 70 | 7 |
| TN | 0 | 1 | 14 | 60 | 25 |
| TX | 5 | 9 | 24 | 41 | 21 |
| VA | 0 | 0 | 8 | 38 | 54 |
| 14 Sts | 3 | 7 | 23 | 46 | 21 |
| Prev Wk | 3 | 7 | 22 | 48 | 20 |
| Prev Yr | 4 | 10 | 31 | 44 | 11 |

| Peanuts Percent Pegging | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AL | 81 | 60 | 83 | 74 |
| FL | 93 | 90 | 89 | 86 |
| GA | 96 | 84 | 85 | 88 |
| NC | 99 | 97 | 82 | 89 |
| OK | 81 | 75 | 95 | 87 |
| TX | 84 | 78 | 79 | 80 |
| VA | 76 | 51 | 44 | 69 |
| 7 Sts | 90 | 80 | 83 | 84 |
| These 7 States planted 97% of last year's peanut acreage. | | | | |

| Peanuts Crop Condition by Percent | | | | | |
|-----------------------------------|----|---|----|----|----|
| | VP | P | F | G | EX |
| AL | 2 | 5 | 29 | 50 | 14 |
| FL | 0 | 0 | 20 | 50 | 30 |
| GA | 0 | 3 | 22 | 56 | 19 |
| NC | 0 | 1 | 9 | 86 | 4 |
| OK | 0 | 4 | 16 | 68 | 12 |
| TX | 0 | 1 | 14 | 57 | 28 |
| VA | 0 | 0 | 11 | 44 | 45 |
| 8 Sts | 0 | 2 | 20 | 57 | 21 |
| Prev Wk | 0 | 1 | 18 | 60 | 21 |
| Prev Yr | 0 | 2 | 17 | 60 | 21 |

Crop Progress and Condition

Week Ending July 25, 2004

Weekly U.S. Crop Progress and Condition Tables provided by USDA/NASS

| Rice Percent Headed | | | | |
|--|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| AR | 26 | 8 | 33 | 31 |
| CA | 25 | 22 | 7 | 8 |
| LA | 78 | 74 | 77 | 82 |
| MS | 45 | 30 | 61 | 45 |
| MO | 20 | 16 | 28 | 12 |
| TX | 69 | 58 | 87 | 88 |
| 6 Sts | 37 | 25 | 40 | 38 |
| These 6 States planted 100% of last year's rice acreage. | | | | |

| Rice Crop Condition by Percent | | | | | |
|--------------------------------|----|---|----|----|----|
| | VP | P | F | G | EX |
| AR | 0 | 3 | 25 | 49 | 23 |
| CA | 0 | 5 | 40 | 40 | 15 |
| LA | 0 | 5 | 42 | 47 | 6 |
| MS | 0 | 1 | 12 | 65 | 22 |
| MO | 0 | 2 | 9 | 49 | 40 |
| TX | 0 | 0 | 32 | 53 | 15 |
| 6 Sts | 0 | 3 | 29 | 48 | 20 |
| Prev Wk | 0 | 3 | 29 | 51 | 17 |
| Prev Yr | 1 | 4 | 27 | 50 | 18 |

| Barley Percent Headed | | | | |
|---|----------------|--------------|--------------|-------------|
| | Jul 25 2004 | Prev Week | Prev Year | 5-Yr Avg |
| ID | 98 | 93 | 98 | 97 |
| MN | 98 | 93 | 99 | 98 |
| MT | 98 | 89 | 96 | 94 |
| ND | 95 | 85 | 96 | 93 |
| WA | 100 | 99 | 100 | 100 |
| 5 Sts | 97 | 89 | 97 | 95 |
| These 5 States planted 83% of last year's barley acreage. | | | | |

| Barley Crop Condition by Percent | | | | | |
|----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| ID | 0 | 3 | 8 | 76 | 13 |
| MN | 1 | 6 | 48 | 39 | 6 |
| MT | 2 | 5 | 33 | 47 | 13 |
| ND | 2 | 4 | 17 | 54 | 23 |
| WA | 2 | 2 | 32 | 52 | 12 |
| 5 Sts | 2 | 4 | 22 | 55 | 17 |
| Prev Wk | 2 | 5 | 23 | 57 | 13 |
| Prev Yr | 5 | 12 | 24 | 46 | 13 |

| Pasture and Range Crop Condition by Percent | | | | | | | | | | | |
|---|----|----|----|----|----|--------|----|----|----|----|----|
| Week Ending July 25, 2004 | | | | | | | | | | | |
| | VP | P | F | G | EX | | VP | P | F | G | EX |
| AL | 1 | 6 | 25 | 57 | 11 | NH | 0 | 4 | 19 | 59 | 18 |
| AZ | 27 | 23 | 16 | 23 | 11 | NJ | 0 | 0 | 21 | 79 | 0 |
| AR | 0 | 2 | 26 | 59 | 13 | NM | 20 | 24 | 36 | 20 | 0 |
| CA | 50 | 35 | 15 | 0 | 0 | NY | 0 | 3 | 24 | 49 | 24 |
| CO | 5 | 14 | 44 | 33 | 4 | NC | 2 | 5 | 26 | 54 | 13 |
| CT | 0 | 0 | 18 | 82 | 0 | ND | 15 | 13 | 31 | 35 | 6 |
| DE | 0 | 16 | 28 | 54 | 2 | OH | 2 | 7 | 27 | 53 | 11 |
| FL | 0 | 0 | 25 | 50 | 25 | OK | 1 | 5 | 22 | 52 | 20 |
| GA | 1 | 8 | 34 | 47 | 10 | OR | 0 | 8 | 43 | 43 | 6 |
| ID | 0 | 5 | 27 | 61 | 7 | PA | 0 | 1 | 31 | 68 | 0 |
| IL | 0 | 3 | 16 | 63 | 18 | RI | 0 | 10 | 40 | 50 | 0 |
| IN | 1 | 5 | 20 | 59 | 15 | SC | 1 | 8 | 42 | 44 | 5 |
| IA | 0 | 4 | 19 | 51 | 26 | SD | 11 | 18 | 30 | 33 | 8 |
| KS | 6 | 18 | 34 | 33 | 9 | TN | 0 | 2 | 12 | 66 | 20 |
| KY | 1 | 5 | 20 | 51 | 23 | TX | 7 | 10 | 28 | 41 | 14 |
| LA | 0 | 5 | 30 | 60 | 5 | UT | 8 | 16 | 30 | 38 | 8 |
| ME | 0 | 0 | 2 | 63 | 35 | VT | 5 | 16 | 47 | 27 | 5 |
| MD | 3 | 4 | 20 | 43 | 30 | VA | 0 | 4 | 21 | 55 | 20 |
| MA | 0 | 5 | 10 | 79 | 6 | WA | 7 | 18 | 28 | 47 | 0 |
| MI | 1 | 5 | 31 | 53 | 10 | WV | 0 | 4 | 20 | 63 | 13 |
| MN | 2 | 9 | 36 | 50 | 3 | WI | 2 | 8 | 33 | 44 | 13 |
| MS | 1 | 8 | 25 | 53 | 13 | WY | 31 | 26 | 30 | 10 | 3 |
| MO | 1 | 2 | 17 | 62 | 18 | 48 Sts | 8 | 11 | 27 | 42 | 12 |
| MT | 21 | 21 | 30 | 23 | 5 | | | | | | |
| NE | 11 | 16 | 31 | 34 | 8 | Prev | 7 | 11 | 25 | 44 | 13 |
| NV | 11 | 30 | 40 | 19 | 0 | Prev | 7 | 15 | 32 | 38 | 8 |

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

* Revised

National crop conditions for selected States are weighted based on the year 2003 planted acres.

National Agricultural Summary

July 19 - 25, 2004

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Temperatures in the Corn Belt were above normal around midweek, promoting rapid crop development. However, a cold front brought cooler, wetter weather to the region through the end of the week. This same weather held weekly average temperatures below normal across the Great Plains, despite above-normal temperatures in the northern and central parts of the region early in the week. Rainfall in the region was heaviest in Kansas and neighboring States, but other areas received scattered,

light-to-moderate precipitation. Conditions were mostly dry across the Delta and Southeast, increasing irrigation needs for summer crops. Moderate precipitation fell along the Atlantic Coast. Across the central and southern Rocky Mountains, monsoon rains alleviated soil moisture shortages, while temperatures averaged above normal for the week. In the Pacific Northwest, Great Basin, and California, conditions were hot and dry.

Corn: Silking reached 72 percent complete, 11 percentage points ahead of last year and 3 points ahead of normal. Nineteen percent of the acreage was at or beyond the dough stage, compared with 9 percent last year and 12 percent for the 5-year average. Silking was most rapid in the western Corn Belt, advancing 35 points in Iowa, 40 points in Minnesota, and 32 points in Nebraska. However, silking remained well behind normal across the northern Corn Belt and northern Great Plains. The crop was doughing in all areas, except the northern Corn Belt and adjacent areas of the Great Plains. In the central and eastern Corn Belt, the crop continued to develop ahead of average, especially in Illinois, where 34 percent of the crop entered the dough stage during the week.

Soybeans: Blooming advanced to 74 percent complete, 10 points ahead of last year and 4 points ahead of normal. Thirty-two percent of the crop was at or beyond the pod setting stage, 14 points ahead of last year and 5 points ahead of the average. The crop developed at or ahead of the normal pace in all areas, except the northern Corn Belt and northern Great Plains. Blooming progressed rapidly in North Dakota, advancing 37 points but remaining 9 points behind the normal pace. Pod setting steadily advanced in the central Corn Belt and Ohio Valley. Over one-fifth of the acreage set pods in Illinois, Iowa, Ohio, and Tennessee.

Winter Wheat: Harvest was 83 percent complete, compared with 85 percent for last year and the 5-year average. Harvest was complete or nearly complete in all areas, except in Michigan, the northern Great Plains, and Pacific Northwest. With harvest just getting underway in Montana, growers had reaped 1 percent of their acreage, 18 points behind the normal pace. Producers in South Dakota advanced 44 points but were 7 points behind normal. Despite harvesting one-third of their acreage, Michigan producers remained 20 points behind the normal pace.

Cotton: Squaring advanced to 93 percent complete, 6 points ahead of last year and 1 point ahead of normal. Sixty-five percent of the crop had set bolls, 15 points ahead of last year and 1 point ahead of the 5-year average. Squaring was complete in Arizona, Arkansas, Missouri, North Carolina, Tennessee, and Virginia. Only in the southern Great Plains was squaring below 90 percent complete. Boll setting was most rapid in Oklahoma, where one-fourth of the crop set bolls, and only slightly slower in Alabama, Georgia, and Tennessee. Half of Texas's acreage had reached the boll-setting stage, slightly behind the normal pace, while Virginia's crop, at 91 percent complete, was 50 points ahead of normal.

Sorghum: Heading reached 38 percent complete, 4 points ahead of last year but 3 points behind normal. Twenty percent of the crop had turned color, compared with 19 percent last year and 21 percent for the 5-year average. Heading rapidly advanced in Illinois, progressing 30 points to well ahead of the normal pace. In Kansas and Texas, the crop was 21 and 60 percent headed, respectively, behind the normal pace in both States. Forty-eight percent of the crop was at or beyond the coloring stage in Texas, even with the normal pace. Kansas's crop, at 1 percent turning color, was 2 points behind normal.

Rice: Heading was 37 percent complete, 3 points behind last year and 1 point behind normal. Arkansas's crop advanced 18 points, but remained 5 points behind normal. Despite advancing only 3 points in California, heading was 17 points ahead of normal. The crop was most advanced in Louisiana, where 78 percent of the acreage was headed, the same as the 5-year average.

Small Grains: Spring wheat heading advanced to 93 percent complete, compared with 96 percent last year and 94 percent for the 5-year average. Heading reached completion in Washington and neared completion in Idaho and Minnesota. The crop advanced 8 points in North Dakota to 90 percent complete.

Ninety-seven percent of the barley crop had headed, the same as last year but 2 points ahead of normal. Washington's crop finished heading, while North Dakota's crop was 95 percent headed, and 98 percent of Idaho's, Minnesota's, and Montana's crop had reached the heading stage. Progress was at or ahead of the normal pace in all States.

Oat heading, at 98 percent complete, was the same as last year and the average. Growers had harvested 14 percent of their acreage, 3 points behind last year and 7 points behind normal. Heading was complete in most States, with only Minnesota, North Dakota, and Pennsylvania having unheaded fields. Harvest was behind normal in all States, trailing the normal pace by 18 points in Iowa and Pennsylvania. Producers had begun harvesting in all States, except North Dakota.

Other Crops: Peanut pegging advanced to 90 percent complete, compared with 83 percent last year and 84 percent for the 5-year average. Pegging neared completion in Georgia and North Carolina, at 96 and 99 percent, respectively. Pegging was ahead of normal in all States, except Oklahoma, and was most active in Virginia, where one-fourth of the crop reached the stage.

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 8% very short, 38% short, 52% adequate, 2% surplus. Corn 99% silked, 99% 2003, 97% avg.; 70% dough, 84% 2003, 66% avg.; 51 dented%, 55% 2003, 47% avg.; 14% mature, 19% 2003, 22% avg.; condition 3% very poor, 4% poor, 14% fair, 63% good, 16% excellent. Soybeans 45% blooming, 31% 2003, 39% avg.; 21% setting pods, 6% 2003, 16% avg.; condition 2% very poor, 5% poor, 9% fair, 70% good, 14% excellent. Pasture feed 1% very poor, 6% poor, 25% fair, 57% good, 11% excellent. Livestock condition 0% very poor, 4% poor, 27% fair, 51% good, 18% excellent. Farmers applied herbicides, insecticides, fungicides and harvested hay as conditions allowed.

ALASKA: Days suitable for fieldwork 6.0. Topsoil 75% short, 25% adequate. Subsoil 60% short, 40% adequate. Conditions remain dry across the state, however, rain did fall in many areas. Temperatures remained above normal again last week. Barley 45% dough, 50% turning color, 5% ripe, condition 5% fair, 40% good, 55% excellent. Oat 80% in dough, 20% turning color. condition 5% poor, 30% fair, 50% good, 15% excellent. Potatoes 65% in bloom, condition of 15% fair, 50% good, 35% excellent. Crop growth 40% slow, 55% moderate, 5% rapid. The initial hay harvest is virtually complete. Condition of the second cutting hay crop was listed as 30% poor, 30% fair, 35% good, 5% excellent. Pasture, range feed 25% poor, 30% fair, 30% good, 15% excellent. Activities Included: Finishing up hay harvest, weed control, fertilizing, irrigation, harvesting vegetables, grass seed, marketing crops and preparing equipment for harvest.

ARIZONA: Temperatures for the State were above average for the fourth week of July. Alfalfa condition remains mostly good. Cotton squaring is virtually complete, while setting bolls are eighty percent complete. Precipitation was reported at 8 of the 17 reporting stations. Precipitation ranged from 0.02 inches in Casa Grande, Grand Canyon to 1.23 inches in Payson.

ARKANSAS: Days suitable for fieldwork 6. Soil 2% very short, 26% short, 66% adequate, 6% surplus. Corn 100% silked, 99% 2003, 79% 5-yr avg.; 69% doughed, 74% 2003, 57% 5-yr avg.; condition 1% very poor, 1% poor, 23% fair, 55% good, 20% excellent. Soybeans 100% planted, 100% 2003, 100% 5-yr avg.; 99% emerged, 100% 2003, 99% 5-yr avg.; 71% bloomed, 52% 2003, 55% 5-yr avg.; 48% setting pods, 28% 2003, 27% 5-yr avg.; condition 3% very poor, 7% poor, 29% fair, 44% good, 17% excellent. Sorghum 94% headed, 92% 2003, 85% 5-yr avg.; 40% colored, 48% 2003, 38% 5-yr avg.; condition 1% very poor, 2% poor, 35% fair, 51% good, 11% excellent. Cotton 80% bolls set, 81% 2003, 88% 5-yr avg.; condition 0% very poor, 4% poor, 29% fair, 47% good, 20% excellent. Rice 26% headed, 33% 2003, 31% 5-yr avg.; condition 0% very poor, 3% poor, 25% fair, 49% good, 23% excellent. Wheat 100% harvested, 100% 2003, 100% 5-yr avg.; Hay-Other condition 0% very poor, 4% poor, 24% fair, 58% good, 14% excellent. Hay-Alfalfa condition 0% very poor, 4% poor, 32% fair, 60% good, 4% excellent. Pasture, Range feed 0% very poor, 2% poor, 26% fair, 59% good, 13% excellent. CROPS: Some harvest has begun on early corn, other fields are receiving final irrigation. All soybeans have been planted, producers are treating fields with herbicides. Cotton is being sprayed with insecticides for bollworm, spotted spider mite control. Rice is being treated for sheath blight, panicle blight suppression, blast. Wheat harvest is complete. LIVESTOCK: Livestock are in good condition. Producers had a series of warm, dry days for hay harvest, are now applying fertilizer for regrowth of the next cutting.

CALIFORNIA: The majority of this year's winter wheat harvest has been completed. Harvesting of oats, rye for grain was also coming to a close. High temperatures led to rapid growth in many cotton fields. Most fields were in full bloom with good boll sets reported. Irrigation was ongoing, with many fields receiving insecticide treatments. Rice continued to develop, head out. Herbicide applications continued. Corn for silage was harvested in some areas. Other corn fields were irrigated, fertilized. Bloom, seed sets were noted in alfalfa seed fields. Alfalfa hay continued to be cut, windrowed, baled, stacked. Hay quality was reported as good to excellent. Fields of grain, sudan hay were baled or greenchopped. Sugar beet harvesting continued. Maturing fields were showing rapid development. Rapid growth was also seen in blackeye bean plantings. Vineseed planting continued in some fields. Blooms were observed in sunflower, safflower fields. Potato harvesting continued. Harvesting crews remained busy in table grape vineyards as more varieties reached maturity. Among the varieties harvested were Flame Seedless, Thompson Seedless, Princess. Field activities underway in grape vineyards included irrigation, cultivation, fungicide applications. Apples, Asian pears, persimmons, pomegranates were maturing steadily. Picking got underway in Gala apple, Asian pear orchards in a few locations. Picking was

well ahead of normal in some areas due to warm temperatures. Picking, packing in stone fruit orchards continued at a steady rate. Varieties picked included Sugar Giant, Snow King peaches, Arctic Queen, Summer Fire nectarines, Friar, Fortune plums, Flavor Grenade, Flavor Queen pluots. Summer pruning, fruit thinning, cultivation, weed mowing, irrigation were ongoing in many orchards. Piled stumps, brush were left for recycling where orchards, vineyards had been removed. Field fumigations began for both processed, nursery stock strawberries. Valencia orange harvesting proceeded slowly in some areas due to poor demand. Rind puff was seen in larger sizes, some lots required sweating due to regreening. Harvesting of lemons, grapefruit continued. Irrigation, herbicide treatments, scale applications continued in citrus orchards. Spray of olives for olive fruit fly was underway. The crop was sizing normally. Almond orchards throughout the State showed hull split as crop maturity advanced rapidly in the high temperatures. Many growers were preparing for harvest. Irrigation, cultivation, herbicide applications were in progress in many orchards. Walnut, pecan, pistachio orchards showed steady crop development. Walnuts were sprayed for codling moth, mites. Warm temperatures promoted strong development in many fields of summer vegetables. Maturing tomato fields were being irrigated, fertilized, treated for worms, fungus. Harvesting of fresh market processing tomatoes, sweet corn, cantaloupe, honeydew, watermelons, onions, garlic and summer squash continued throughout the Central Valley. Melon fields were treated for fungus, worms, aphids. The following vegetables were also harvested: basil, banana squash, bitter melon, carrots, donqua, eggplant, fenugreek, kabocha, kangkong, Korean melons, long beans, moqua, okra, opo, peppers, saluyot, sinqua, spinach, Swiss chard, taro leaf, zucchini, and various herbs. Higher elevation pastures remained in fairly good condition, but dryland pastures in most other parts of the State were in poor condition. Cattle on summer pastures were mostly in good condition. A few cattle, mainly beef cows, remained on dry foothill pastures, were receiving supplemental feed. Hot weather was having an adverse effect on milk production. Some dairies were using fans and misters to help relieve stress to milk cows. Sheep, mainly stock ewes, were grazing on harvested grain stubble. Bees were working in seed alfalfa, safflower, melon, and vegetable fields.

COLORADO: Days suitable for fieldwork 4.9. Top soil 7% very short, 28% short, 62% adequate, 3% surplus. Subsoil 24% very short, 41% short, 33% adequate, 2% surplus. Most of the state experienced cooler temperatures, above average rainfall last week. These weather patterns improved most crop conditions across the state. Spring wheat 81% turning color, 71% 2003, 64% avg.; 6% harvested, 16% 2003, 19% avg.; condition 4% poor, 36% fair, 47% good, 13% excellent. Spring barley 90% turning color, 74% 2003, 73% avg.; 5% harvested, 11% 2003, 17% avg.; condition 7% poor, 32% fair, 45% good, 16% excellent. Sunflower condition 3% poor, 22% fair, 48% good 27% excellent. Alfalfa hay 42% 2nd cutting, 40% 2003, 48% avg.; condition 1% very poor, 6% poor, 33% fair, 44% good, 16% excellent. Dry beans 27% flowering, 42% 2003, 45% avg.; condition 4% poor, 21% fair, 52% good, 23% excellent. Dry onions condition 5% poor, 20% fair, 72% good, 3% excellent. Summer potatoes condition 5% poor, 23% fair, 52% good, 20% excellent. Fall potatoes condition 3% poor, 32% fair, 48% good, 17% excellent. Sugar beets condition 4% poor, 31% fair, 48% good, 17% excellent.

DELAWARE: Days suitable for fieldwork 4.7. Topsoil 3% very short, 18% short, 68% adequate, 11% surplus. Subsoil 13% very short, 31% short, 56% adequate. Field corn condition 20% very poor, 27% poor, 22% fair, 26% good, 5% excellent; 97% silked, 56% 2003, 74% avg.; 41% corn dough, 7% 2003, 20% avg. Soybean condition 9% poor, 27% fair, 56% good, 8% excellent; 35% blooming, 4% 2003, 21% avg.; 15% setting pods, 8% avg. Sorghum condition 16% poor, 51% fair, 33% good; 65% headed, 6% 2003, 11% avg. Winter wheat 100% harvested, 91% 2003, 97% avg. Pasture feed 16% poor, 28% fair, 54% good, 2% excellent. Other hay 2nd cutting 93%, 65% 2003, 79% avg.; 3rd cutting 10%, 2% 2003, 33% avg. Alfalfa hay 3rd cutting 40%, 15% 2003, 32% avg. Apple condition 1% poor, 11% fair, 81% good, 7% excellent. Peach condition 1% poor, 7% fair, 69% good, 23% excellent; 40% harvested, 20% 2003, 28% avg. Watermelons 22% harvested, 12% 2003, 14% avg. Cucumbers 35% harvested, 24% 2003, 31% avg. Lima Beans 27% for processing harvested, 6% avg. Snap beans 60% harvested, 37% 2003, 41% avg. Sweet Corn 35% harvested, 20% 2003, 26% avg. Potatoes 24% harvested, 9% 2003, 25% avg. Tomatoes 15% harvested, 2% 2003, 12% avg. Cantaloups 29% harvested, 11% 2003, 16% avg. Hay supplies 20% short, 80% adequate. States farmers experienced suitable weather the past week with cooler air temperatures, light showers. Sorghum 65% headed, 10% the previous week. Corn 97% tasseled, 41% dough stage. The weather also attributed to the increase in the harvesting of vegetables. Farmers were able to get into their fields to cut, bale hay. Other hay 2nd cutting 93% compared to 80% the previous week.

FLORIDA: Topsoil 1% very short, 19% short, 60% adequate, 20% surplus. Subsoil 1% very short, 19% short, 70% adequate; 10% surplus. Temperature average: normal, major cities, Daytona Beach, Orlando, West Palm Beach all 1° below normal. Tampa 2° below normal. Highs: 80s, 90s. Lows: 60s, 70s. Rainfall: less than 0.10 in. Daytona Beach, Hastings to more than 7.50 in. Tampa. Some Peninsula, a few Panhandle localities recorded no measurable rain. Scattered rains left some areas dry, Panhandle, Peninsula. Drier conditions, Jefferson County allowed producers to make progress on cutting hay. Soil moisture conditions improved in drier areas, central, northern Peninsula. Peanuts mostly good to excellent condition, some tomato wilt virus showing, Jackson County. Peanuts 93% pegged, 89% 2003, 86% 5-yr avg.; condition 20% fair, 50% good, 30% excellent. Spots of Panhandle reporting worm pressure in cotton. Field preparation for fall crop vegetable planting active. Okra harvesting continues, Dade County. Hot, humid weather citrus areas early in week with arrival of thunderstorms some days, widely scattered rainfall; most areas received some rain. Harvest complete on all varieties. Pasture feed 25% fair, 50% good, 25% excellent. Cattle condition 20% fair, 70% good, 10% excellent. Panhandle, north: pasture, cattle in fair to excellent condition; most pasture in good shape with good growth following timely showers. Central: cattle condition good, pasture in excellent condition; high heat, plenty of moisture have pasture growing well. Southwest: pasture feed fair to excellent, depending on recent rainfall. Statewide: most cattle in good condition.

GEORGIA: Days suitable for field work 6.4. Soil 8% very short, 37% short, 52% adequate, 3% surplus. Corn 78% dent, 66% 2003, 74% avg.; 25% mature, 22% 2003, 34% avg.; 4% avg. Hay 1% very poor, 8% poor, 34% fair, 51% good, 6% excellent. Peanuts 99% blooming, 97% 2003, 98% avg. Sorghum 5% poor, 34% fair, 57% good, 4% excellent. Tobacco 6% very poor, 19% poor, 42% fair, 31% good, 2% excellent; 40% harvested, 37% 2003, 36% avg. Watermelons 95% harvested, 95% 2003, 92% avg. Apples 8% poor, 12% fair, 64% good, 16% excellent; 5% harvested, 8% 2003, 5% avg. Peaches 79% harvested, 80% 2003, 87% avg. Pecans 8% very poor, 17% poor, 39% fair, 34% good, 2% excellent. Hot, dry weather continued over most of the State. Rainfall was virtually nonexistent. For those areas receiving little or no moisture, the dry conditions are quickly becoming a concern as average temperatures steadily rise. Pasture, hay fields continued to deteriorate with the dry conditions. There were some reports of dryland cotton beginning to wilt. Corn suffered from drought conditions. The corn crop received some wind damage in the southwestern parts of the State. Soil moisture levels were rated mostly adequate to short. Producers applied insecticides, fungicides to their crops. Watermelon harvest nearing completion. Tobacco harvest began to gain momentum. Cattlemen continued to feed hay. Activities Included: Harvesting silage, the routine management of livestock and poultry.

HAWAII: Sunny, dry weather conditions continued to benefit most crops. High temperatures, humidity made heavy irrigation necessary to maintain crop condition. Banana, papaya orchards were in mostly fair-to-good condition. Active spraying limited disease, pest losses. Vegetable crops made generally good progress with fair-to-good yields.

IDAHO: Days suitable for fieldwork 6.7. Topsoil 9% very short, 35% short, 56% adequate. Statewide, small grains remain in mostly good condition. Thunderstorms in some areas of the state have damaged the second cutting of hay. The potato crop is reported to be in mostly good condition. Winter wheat condition 3% poor, 8% fair, 73% good, 16% excellent; 89% turning color, 95% 2003, 87% avg. Spring wheat 50% turning color, 58% 2003, 49% avg. Barley 59% turning color, 57% 2003, 50% avg. Oats 1% harvested for grain, 1% 2003, 1% avg. Potato condition 1% poor, 7% fair, 77% good, 15% excellent. Closing middles 96%, 95% 2003, 88% avg. Mint harvested—1st cutting 30%, 29% 2003, 21% avg. Peaches 4% harvested, 8% 2003, 5% avg. Dry peas 6% harvested, 10% 2003, 18% avg. Alfalfa hay 2nd cutting harvested 54%, 57% 2003, 56% avg.; 3rd cutting harvested 8%, 4% 2003, 3% avg. Irrigation Water Supply 4% very poor, 25% poor, 37% fair, and 34% good. Activities Included: Feeding, caring for livestock, harvesting small grains, spraying insecticides, and cutting alfalfa hay.

ILLINOIS: Days suitable for fieldwork 5.7. Topsoil 1% very short, 22% short, 75% adequate, 2% surplus. Corn 6% dented, 1% 2003, 21% avg. Oats 98% turning yellow, 97% 2003, 98% avg.; 72% ripe, 71% 2003, 82% avg.; 51% harvested, 32% 2003, 48% avg. Alfalfa 2nd cut 92%, 91% 2003, 91% avg.; 11% 3rd cut, 10% 2003, 19% avg. Most of the state experienced three to four degrees below normal temperatures last week, along with below normal precipitation. The cooler weather is slowing down corn, soybean development. However, their progress is still ahead of last year. Farmers are also finishing up harvesting wheat, oats. While most farmers are finishing up their second crop of alfalfa, little are on their third crop of alfalfa. Activities Include: Tending livestock, scouting fields, mowing ditches, waterways, baling hay, and spraying crops.

INDIANA: Days suitable for fieldwork 5.0. Topsoil 2% very short, 12% short, 79% adequate, 7% surplus. Subsoil 1% very short, 12% short, 82% adequate, 5%

surplus. Major crops continue to make good growth, development. Favorable conditions for corn pollination, podding in soybean plants. Straight line winds along with thunderstorms caused some damage again last week in a few isolated areas. Wheat harvest is virtually complete. Some replanting of soybeans in wet spots was taking place. Baling hay, spraying herbicides, repairing equipment were major activities. Temperatures averaged 1° to 5° below normal for the week. Precipitation averaged 0.16 to 3.58 inches. Rain was heavy in a few areas. Irrigation systems were active. Soybean plants growing, some insect, weed problems. Alfalfa hay 2nd cutting 85% complete, 70% 2003, 88% avg. Pastures 1% very poor, 5% poor, 20% fair, 59% good, 15% excellent. Livestock are in mostly good condition. Activities: Repairing equipment, harvesting mint, potatoes, hauling grain to market, attending county fairs, scouting fields, taking vacations, mowing lots, roadsides, hauling manure and taking care of livestock.

IOWA: Agricultural Summary: Days suitable for fieldwork 5.0. Topsoil 1% very short, 7% short, 82% adequate, 10% surplus. Subsoil 7% short, 82% adequate, 11% surplus. Reports of favorable crop conditions were received across the state. Field activities included some re spraying of soybeans, continued harvest of hay. Despite the rise in temperatures early last week, more heat units would be beneficial for corn. Field Crops Report: Corn 89% acreage tasseled, 76% 2003, 83% 5-yr avg.; 73% silked, 56% 2003, 69% 5-yr avg.; 8% milk stage, 4% dough stage, condition 2% very poor, 5% poor, 14% fair, 52% percent good, 27% excellent. Soybean 87% acreage blooming, 75% 2003, 82% 5-yr avg.; 43% acreage setting pods, 24% 2003, 37% 5-yr avg.; condition 2% very poor, 5% poor, 18% fair, 50% good, 25% excellent. Oat 36% acreage harvested for grain, condition 1% very poor, 3% poor, 15% fair, 62% good, 19% excellent. Alfalfa 2nd cutting complete 79%, 61% the previous week. Hay condition 1% very poor, 3% poor, 17% fair, 54% good, 25% excellent. Livestock, Pasture, Range Report: Overall, livestock conditions were good, pastures were looking better than normal for this time of year. Pasture, range feed 4% poor, 19% fair, 51% good, 26% excellent.

KANSAS: Days suitable for fieldwork 4.4. Topsoil 1% very short, 10% short 83% adequate, 6% surplus. Subsoil 10% very short, 28% short, 61% adequate, 1% surplus. Sunflowers 98% emerged, 100% 2003, 100% avg. Alfalfa 2nd cutting 98%, 98% 2003, 99% avg.; 3rd cutting 42%, 31% 2003, 43% avg. Range, pasture feeds 6% very poor, 18% poor, 34% fair, 33% good, 9% excellent. Feed grain supplies 3% very short, 14% short, 80% adequate, 3% surplus. Hay, forage supplies 2% very short, 12% short, 74% adequate, 12% surplus. Stock water supplies 2% very short, 12% short, 82% adequate, 4% surplus.

KENTUCKY: Days suitable for fieldwork 5.0. Topsoil 1% very short, 15% short, 76% adequate, 8% surplus. Subsoil 2% very short, 12% short, 80% adequate, 6% surplus. A return to more stable weather conditions for the State. Temperatures were below normal for the week, precipitation levels were also slightly below normal. The majority of fieldwork included cultivating, topping tobacco, baling hay, clipping pastures. Corn, soybeans generally look good across the State. Condition of set tobacco 3% very poor, 11% poor, 26% fair, 48% good, 12% excellent. Burley tobacco blooming 52%, 31% 2003, 48% avg.; 23% topped, 14% 2003, 24% avg. Dark tobacco topped 36%. Blue mold appears to have eased in all but the eastern end of the State due to aggressive spraying, favorable weather conditions. Harvesting of hay continued. Hay condition 1% very poor, 6% poor, 20% fair, 55% good, 18% excellent. Pasture feeds 1% very poor, 5% poor, 20% fair, 51% good, 23% excellent.

LOUISIANA: Days suitable for fieldwork 6.1. Soil 1% short, 24% short, 67% adequate, 8% surplus. Corn 11% poor, 35% fair, 48% good, 6% excellent; 100% dough, 91% last week, 94% 2003, 96% avg.; 55% mature, 30% last week, 42% 2003, 58% avg.; 2% harvested, 0% last week, 1% 2003, 5% avg. Hay 1st cutting 92%, 84% last week, 100% 2003, 100% avg.; 2nd cutting 35%, 24% last week, 42% 2003, 45% avg. Peaches 86% harvested, 78% last week, 89% 2003, 90% avg. Rice 25% ripe, 10% last week, 21% 2003, 34% avg.; 11% harvested, 0% last week, 8% 2003, 16% avg. Sorghum 7% ripe, 0% last week, 14% 2003, 16% avg. Soybeans 100% emerged, 99% last week, 100% 2003, 100% avg.; 2% turning color, 0% last week, 1% 2003, 1% avg. Sugarcane 10% poor, 25% fair, 40% good, 25% excellent. Sweet potatoes 100% planted, 96% last week, 100% 2003, 100% avg. Livestock 2% poor, 24% fair, 64% good, 10% excellent. Vegetable 10% very poor, 23% poor, 43% fair, 22% good, 2% excellent.

MARYLAND: Days suitable for fieldwork 5.0. Topsoil 9% short, 79% adequate, 12% surplus. Subsoil 1% very short, 7% short, 84% adequate, 8% surplus. Field corn condition 3% very poor, 3% poor, 17% fair, 38% good, 39% excellent; 95% silked, 47% 2003, 63% avg.; 26% dough, 4% 2003, 20% avg.; 2% dent, 3% avg. Soybean condition 2% very poor, 5% poor, 16% fair, 59% good, 18% excellent; 52% blooming, 4% 2003, 29% avg.; 24% setting pods, 9% avg. Sorghum condition 19% poor, 19% fair, 62% good; 62% headed, 6% 2003, 18% avg. Winter wheat 100% harvested, 87% 2003, 95% avg. Pasture feed 3% very poor, 4% poor, 20% fair, 43% good, 30% excellent. Tobacco condition 3% very poor, 7% poor, 11% fair, 44% good, 35% excellent; 62% bloomed, 11% 2003, 37% avg. Other hay 2nd cutting 67%, 54% 2003, 70% avg.; 3rd cutting 12%, 23% avg. Alfalfa hay 3rd

cutting 35%, 9% 2003, 31% avg. Apple condition 2% poor, 10% fair, 54% good, 34% excellent. Peach condition 3% very poor, 5% poor, 13% fair, 54% good, 25% excellent. Peaches 22% harvested, 11% 2003, 20% avg. Watermelons 19% harvested, 8% 2003, 13% avg. Cucumbers 42% harvested, 27% 2003, 46% avg. Lima Beans 48% for processing harvested, 4% 2003, 16% avg. Snap beans 47% harvested, 31% 2003, 44% avg. Sweet corn 67% harvested, 27% 2003, 37% avg. Potatoes 19% harvested, 15% 2003, 47% avg. Tomatoes 33% harvested, 17% 2003, 22% avg. Cantaloups 37% harvested, 13% 2003, 29% avg. Hay supplies 6% very short, 16% short, 72% adequate, 6% surplus. Overall crops are looking good, many are still ahead of schedule. The cooler air temperatures, showers are allowing for better growing conditions for crops. Corn 95% tasseled, compared to 47% the 2003. It was 26% dough stage, just beginning to be in the dent stage. Over half of all soybeans were bloomed, were in mostly good to excellent condition. The weather allowed farmers to get into the fields to cut hay as 55% of third cutting alfalfa is complete. Tobacco was progressing nicely as 33% topped, 62% was bloomed. The harvesting of tobacco may begin within the next two weeks.

MICHIGAN: Days suitable for fieldwork 6. Subsoil 1% very short, 15% short, 75% adequate, 9% surplus. Corn height 53 inches. Winter Wheat 1% very poor, 9% poor, 33% fair, 48% good, 9% excellent. Barley 6% very poor, 7% poor, 32% fair, 51% good, 4% excellent. Oats 2% very poor, 5% poor, 43% fair, 40% good, 10% excellent; 96%, headed 97% 2003, 99% avg.; 47% turning, 47% 2003, 77% avg. All hay 1% very poor, 6% poor, 31% fair, 50% good, 12% excellent; 1st cutting hay 98%, 100% 2003, 99% avg.; 2nd cutting hay 42%, 61% 2003, 55% avg. Dry beans 10% very poor, 14% poor, 46% fair, 23% good, 7% excellent; 26% blooming, 26% 2003, 30% avg.; 5% setting pods, 2% 2003, 7% avg. Blueberries 33% harvested, 22% 2003. Tart cherries 57% harvested, 64% 2003. Peaches 7% harvested. Across much of State, warm, humid conditions during most of week countered by well below normal temperatures over weekend. The warm weather produced some scattered storms, total rainfall amounts highly variable. Several areas still short on moisture. In northeast Lower Peninsula, localized, heavy hail caused extensive but scattered damage. Precipitation amounts ranged from 0.01 inches western Upper Peninsula to 1.06 inches south central Lower Peninsula. Even with hot weather early in week, cool temperatures at end of week pulled averages to below normal. Temperatures ranged from 2° below normal central, southeast Lower Peninsula to 3° below normal across rest of State. Warmer weather prevailed across State allowing crops to progress nicely over week. Southern areas received scattered showers, other districts remained dry. Good drying conditions moved along second cutting of hay. Growers west central reported just starting a third cutting. Corn looked good but started to show signs of stress due to lack of rain some areas. Tasseling continued throughout State. Soybean growth highly variable, ranged from pre-bloom to setting pods. Wheat harvest continued, moisture levels remained high despite drier weather conditions. Yields variable, diseases common. In north, wheat reached maturity. Rapid growth reported in sugarbeets but *Cercospora* leafspot confirmed many areas. Dry beans responded well to warm weather. Tart cherry harvest began northwest. Harvest of sweet cherries about half over northwest. Tart, sweet cherry harvest overlapped more than normal northwest this year because of light crop of tart cherries, heavy crop of sweet cherries. Harvest of early peach varieties began southwest last week. Split pits problematic. Peach harvest estimated to be 7 days away southeast. In west central, trapped lesser peach borer numbers had tripled from previous week. Harvest of stone fruit ongoing. Harvest began on summer apples, such as Lodi, last week southwest. Harvest of early variety blueberries ended southwest, first bluecrop picking got underway. In ridge area, spotty hail damaged some fruit crops. The fire blight trauma situation had passed there. A lack of apple maggot emergence noted southeast, where fruit crops generally 7 to 10 days ahead of normal development. With continued warmer temperatures, sunshine, vegetables across State made good progress. Growers continued to harvest a wide variety of vegetable crops. In southeast, most fresh market crops in season, roadside stands well stocked. Sweet corn harvest approaching full swing much of south. Corn borer damage limited. In southwest, early tomatoes being harvested. The crop beginning to ripen southeast, some diseases reported. Growers continued to scout for *Alternaria*, *Cercospora* in carrots. Potatoes behind normal northeast, making decent progress other areas. Some leafhoppers spotted. Pumpkins, squash runner, flowering. Harvest of fresh market snap beans continued south. In west central, plants blooming. In southwest, tunneled peppers being harvested, eggplants setting, sizing fruit. Growers continued to harvest zucchini, and cucumbers. Fern regrowth in asparagus acreage showing effects of phytophthora earlier season. Asparagus beetle larvae active.

MINNESOTA: Days suitable for fieldwork 5.8. Topsoil 4% very short, 19% short, 70% adequate, 7% surplus. Spring Wheat 28% turning ripe, 59% 2003, 57% avg.; 0% harvested, 2% 2003, 1% avg. Barley 32% turning ripe, 70% 2003, 61% avg.; 2% harvested, 3% 2003, 3% avg. Oats 59% turning ripe, 75% 2003, 77% avg. Corn 1% milk, 7% 2003, 6% avg. Pasture feed 2% very poor, 9% poor, 36% fair, 50% good, 3% excellent. Sugarbeets 1% very poor, 3% poor, 34% fair, 53% good, 9% excellent. Dry Beans 1% very poor, 6% poor, 45% fair, 44% good, 4% excellent. Canola 0% very poor, 4% poor, 62% fair, 34% good, 0% excellent. Potatoes 0% very poor, 3% poor, 26% fair, 55% good, 16% excellent. Sunflowers 0% very poor, 4% poor, 56% fair, 39% good, 1% excellent. Oat, barley harvest has begun, with 8% and 2% harvested, respectively. Topsoil moisture supplies

have dropped considerably over the past month, some areas of the state could use precipitation to further crop development. Despite increasingly dry conditions, below average growing degree days, crop conditions continue to improve, crop development continues to slowly catch up to five year averages.

MISSISSIPPI: Days suitable for fieldwork 6.5. Soil 1% very short, 15% short, 78% adequate, 6% surplus. Corn 90% dough, 91% 2003, 91% avg.; 68% dent, 59% 2003, 68% avg.; 6% mature, 42% silage harvested, 44% 2003, 31% avg.; 1% very poor, 4% poor, 19% fair, 50% good, 26% excellent. Cotton 97% squaring, 95% 2003, 99% avg.; 81% setting bolls, 75% 2003, 90% avg.; 1% very poor, 7% poor, 23% fair, 48% good, 21% excellent. Rice 45% heading, 61% 2003, 45% avg.; 1% poor, 12% fair, 65% good, 22% excellent. Sorghum 96% heading, 91% 2003, 93% avg.; 45% turning color, 43% 2003, 41% avg.; 1% poor, 18% fair, 64% good, 17% excellent. Soybeans 96% blooming, 89% 2003, 92% avg.; 90% setting pods, 76% 2003, 76% avg.; 10% turning color, 6% poor, 18% fair, 52% good, 24% excellent. Wheat 100% harvested, 100% 2003, 100% avg. Hay 51% harvested (Warm Season), 67% 2003, 66% avg.; 10% very poor, 10% poor, 34% fair, 38% good, 8% excellent. Sweetpotatoes 100% planted, 100% 2003, 100% avg.; 1% very poor, 8% poor, 35% fair, 47% good, 9% excellent. Watermelons 89% harvested, 91% 2003, 76% avg.; 6% poor, 13% fair, 77% good, 4% excellent. Cattle 5% poor, 19% fair, 56% good, 20% excellent. Pasture 1% very poor, 8% poor, 25% fair, 53% good, 13% excellent. With almost a full week of suitable weather for fieldwork, producers throughout the State worked intensely on catching up with field operations. Due to the drier conditions, hay producers made good progress with harvesting, row crop producers completed some much-needed spraying operations. Harvesting of corn silage continued throughout the state, with very good yields being reported.

MISSOURI: Days suitable for fieldwork 4.8. Topsoil 7% short, 82% adequate, 11% surplus. Crop conditions are continuing favorable over most of the State, with the major crops developing a few days ahead of average. The north-central district is the wettest area, with 25% rated as surplus moisture, while the northeast district shows the lowest moisture rating, averaging 25% short. Corn development ranges from 34% in the dough stage in the north-central, northeast districts to 90% in the southeast. Soybean development by area varies from 24% blooming, 5% setting pods in the southwest district to 73% blooming and 34% setting pods in the southeast district. Grasshoppers are showing up in a few bean fields. Some boll worms have also appeared in cotton fields but damage is not considered significant at this time. Alfalfa hay 2nd cutting 92%, 96% 2003, 92% avg.; 3rd cutting 26%, 22% 2003, 22% avg. Other hay cut 92%, 99% 2003, 94% avg. Pastures 1% very poor, 2% poor, 17% fair, 62% good, 18% excellent, continuing the above-normal growth in most areas. Rainfall averaged 1.34 inches, ranging by area from less than 0.40 inch in the north-central, northeast districts to 2.20 inches in the central, southeast districts. Cole, Osage counties reported the highest rainfall at 4.47 and 3.95 inches, respectively.

MONTANA: Days suitable for fieldwork 6.9. Topsoil 22% very short, 40% short, 38% adequate, no surplus compared to last year 52% very short, 38% short, 10% adequate, no surplus. Subsoil 33% very short, 33% short, 34% adequate, no surplus compared to last year's 43% very short, 41% short, 16% adequate, no surplus. State received sporadic rainfall, high temperatures for the week ending July 26th, 2004. Winter wheat condition 5% very poor, 11% poor, 28% fair, 42% good, 14% excellent; progress 93% turning color, 15% ripe, 1% harvested, compared to last year 97%, 71%, and 32%, respectively. Spring wheat 90% headed compared to 97% 2003, 84% 5-yr avg.; 3% ripe, compared to 12% last year, 8% 5-yr avg.; condition 4% very poor, 8% poor, 26% fair, 54% good, 8% excellent. Durum wheat 78% boot stage, 67% headed, 7% turning color, which are well behind last year's 96%, 88%, and 51%, respectively. Durum wheat condition 3% very poor, 10% poor, 31% fair, 43% good, 13% excellent. Barley 98% headed, 44% turning, 3% ripe, compared to 96%, 59% and 12% last year, respectively. Barley condition 2% very poor, 5% poor, 33% fair, 47% good, 13% excellent. Oats 93% boot stage, 35% headed, 6% turning, compared to last year at 94%, 41%, and 10%, respectively. Oat condition 8% very poor, 12% poor, 32% fair, 41% good, 7% excellent. Sugar beet condition 13% very poor, 17% poor, 34% fair, 31% good, 5% excellent. Corn condition 11% very poor, 17% poor, 37% fair, 32% good, 3% excellent, which is behind the five-year average of 0% very poor, 4% poor, 23% fair, 48% good, 25% excellent. Dry bean condition 1% very poor, 12% poor, 48% fair, 37% good, 2% excellent, compared to the five-year average at 1% very poor, 5% poor, 34% fair, 50% good, 10% excellent. Potatoes condition 0% very poor, 2% poor, 7% fair, 53% good, 38% excellent. Alfalfa, other hay 1st cuttings are 93% and 81% complete, respectively, and 2nd cuttings are 7% and 3% complete, respectively. Range, pasture feed condition is rated 21% very poor, 21% poor, 30% fair, 23% good, 5% excellent, compared to the five-year average at 15% very poor, 23% poor, 36% fair, 21% good, and 5% excellent.

NEBRASKA: Days suitable for fieldwork 5.3. Topsoil 11% very short, 24% short, 61% adequate, 4% surplus. Subsoil 28% very short, 28% short, 43% adequate, 1% surplus. Temperatures for the week averaged from 3 to 8 degrees below normals. Precipitation was statewide with amounts ranging to over three inches in areas of the southwest. Some localized flooding occurred in those areas. Alfalfa condition 4% very poor, 13% poor, 27% fair, 41% good, 15% excellent; 2nd

cutting 83%, 90% 2003, 90% avg.; 3rd cutting 3%, 4% 2003, 7% avg. Activities Included: Wheat, oat harvest, irrigating, and hay harvest.

NEVADA: Afternoon, evening thundershowers passed across the northern half of the State during the week, leaving limited precipitation. Temperatures averaged much above in the West, a few degrees above normal in most other areas. The second cutting of alfalfa was well along in northwest, north-central valleys. Some late cutting of the first crop of alfalfa continued in Elko County. Lack of irrigation water in Lovelock limited yields. Meadow hay harvest was well along. Color turning of wheat, barley was increasing. Some small grain fields were being cut for hay. Leaf cutter bees were being moved into alfalfa seed fields for pollination. Corn was responding well to the hot weather. Potatoes were also in very good condition. Pesticide application continued to control weeds, insects. Melons, pumpkins were growing well. Drying ranges forced some movement of livestock to water, some were hauling water to replace dried water holes. Activities: haying, cultivating, field spraying, irrigating.

NEW ENGLAND: Days suitable for field work 5.1. Topsoil 19% short, 70% adequate, 11% surplus. Subsoil 1% very short, 17% short, 75% adequate, 7% surplus. Pasture feed 2% very poor, 8% poor, 27% fair, 51% good, 12% excellent. Maine Potatoes: condition excellent/good. Rhode Island Potatoes: condition good/excellent. Massachusetts Potatoes: condition good. Maine Oats: condition excellent/good. Maine Barley: condition good/excellent. Field Corn: condition good/fair. Sweet corn 10% harvested, 10% 2003, 15% avg.; condition good. Shade tobacco 10% harvested, 10% 2003, 15% avg.; condition good/excellent. Broadleaf tobacco: condition good/fair. First crop hay 90% harvested, 95% 2003, 95% avg.; condition good; 2nd 30% harvested, 35% 2003, 45% avg.; condition good. Apples: size avg.; condition good/fair. Peaches: size avg.; condition good/fair. Pears: size avg.; condition poor in Massachusetts, good elsewhere. Strawberries 100% harvested, 100% 2003, 99% avg.; condition good/fair. Massachusetts Cranberries: Petal Fall stage; set avg./above avg.; condition good/fair. Highbush Blueberries 40% harvested, 20% 2003, 20% avg.; size avg.; condition good/fair. Maine Wild Blueberries: size avg.; condition fair/poor. Hot, humid conditions mixed with scattered showers prevailed during the week across the state hindering haying activities in many areas. The warmer temperatures, sunshine benefited field crops by increasing growth rates, crop development. Activities Included: Making hay, haylage when possible; harvesting highbush blueberries, shade tobacco; finishing harvesting strawberries, mowing; cultivating; weeding, top-dressing fields; monitoring fields; applying pesticides.

NEW JERSEY: Days suitable for field work 5.4. Soil 100% adequate. Temperatures across the state were variable during the week. There were measurable amounts of rainfall for the week across most of the state. Fieldwork included baling hay, vegetable harvesting, picking fruit, applying fertilizer, spraying herbicides. Spider mite activity was reported in some soybean fields in the central district. Recently received rainfall benefitted field corn development. Rains lowered hay quality, forage production in many localities, made harvest activities challenging. There were reports of leaf hoppers in alfalfa hay fields in the central, southern districts. Harvest of beets, carrots, eggplant, savoy cabbage, Swiss chard, kale, arugula, dandelion, mint, basil, parsley, cilantro, leeks, green onions, squash, zucchini continued in the southern district. Disease problems were reported, including downy mildew. There was a report from the southern district that some pumpkins suffered hail damage. Cantaloupe harvest continued, there were reports of some cracking due to moisture in the central district, some disease problems evident in northern fields. Cucumber harvest continued, mildew problems were reported in some northern localities. In the central district, it was reported that some snap bean plants had been damaged by the rain; some tomatoes displayed cracking due to weather conditions. Potato harvest began across the state with crop condition ratings of fair to good. Sweet potato vine growth was reported as vigorous. Peach harvest continued, there was a report of some cracking, due to moisture, in northern orchards. Apple harvest began in the southern district. Increased threat of hoof disease in cattle herds remained strong.

NEW MEXICO: Days suitable for fieldwork 5.8. Topsoil 8% very short, 25% short, 57% adequate, 10% surplus. Farmers spent their time irrigating, maintaining crops, spraying weeds, cultivating, cutting, baling alfalfa. General crop conditions were slightly affected by wind h 10% light, 7% moderate, 1% severe damage reported. Hail damage was minimal with 3% light, 1% moderate damage reported. Crops most affected by hail, wind were cotton, chile, peanuts. Alfalfa 1% poor, 33% fair, 49% good, 17% excellent with the 2nd cutting complete, the 3rd approaching completion at 86%, 4th progressing at 17% cut. An increase in precipitation has improved cotton conditions 4% poor, 24% fair, 61% good, 11% excellent. Progress 65% setting bolls, 100% squaring. Corn also improved with conditions shifting toward excellent, 76% silking, 36% doughing. Sorghum 4% poor, 67% fair, and 29% good, 7% headed. Winter wheat harvesting came to an end. Peanuts were in mostly fair to good condition, 86% pegging. Pecans were fair to excellent, with nut set mostly average. Chile conditions were listed as fair to excellent. Apple conditions improved to mostly fair, other crops such as pumpkin, watermelon appeared in good condition. Ranchers were busy rebuilding water gaps caused by the rains, maintaining herds, providing supplemental feeding. Cattle conditions 4% very poor, 8% poor, 22% fair, 56% good, 10%

excellent. Sheep conditions decreased despite favorable conditions 13% very poor, 16% poor, 36% fair, 32% good, 3% excellent. Sufficient moisture has caused range, pasture feeds to improve slightly with 20% reported very poor, 24% poor, 36% fair, and 20% good.

NEW YORK: Days suitable 3.8. Soil 5% short, 64% adequate, 31% surplus. Pasture feed 3% poor, 24% fair, 49% good, 24% excellent. Rain, wet conditions made for another difficult week for fieldwork. Hay condition 15% poor, 29% fair, 42% good, 14% excellent. Oats 1% poor, 6% fair, 68% good, 25% excellent. Wheat 26% poor, 11% fair, 52% good, 11% excellent. Many wheat fields sprouting. Vegetable harvest picked up momentum. Most crops showing up at local markets. Apple condition 14% poor, 14% fair, 58% good, 14% excellent. Grapes 12% poor, 44% fair, 30% good, 14% excellent.

NORTH CAROLINA: Days suitable for field work 5.6. Soil 2% very short, 25% short, 64% adequate, 9% surplus. Activities Included: Harvesting tobacco, peaches, apples, Irish potatoes, cutting hay along with disease, pest scouting. The weather this week was very typical for the month of July. Precipitation was scattered, ranged from zero to a little over 3 inches. Many crops are reaching maturity a little earlier than normal. However, there are some concerns with disease, pest damage to corn, soybeans, and tobacco.

NORTH DAKOTA: Days suitable for fieldwork 6.8. Topsoil 14% very short, 22% short, 58% adequate, 6% surplus. Subsoil 15% very short, 19% short, 60% adequate, 6% surplus. Late season crops remained behind the total growing degree days required to reach maturity despite dry weather, statewide temperatures above 85°. Warm, daytime temperatures pushed crop development, despite cool nights that kept average temperatures down. Barley 70% milk stage or beyond, 81% 2003, 76% avg.; 34% turning or beyond, 55% 2003, 39% avg. Durum wheat 86% boot stage or beyond, 94% 2003, 91% avg.; 71% headed or beyond, 81% 2003, 78% avg.; 44% milk stage or beyond, 49% 2003, 43% avg.; 12% turning or beyond, 21% 2003, 13% avg. Hard red spring wheat 64% milk stage or beyond, 74% 2003, 71% avg.; 23% turning or beyond, 42% 2003, 34% avg. Oats 74% milk stage, beyond, 77% 2003, 73% avg.; 33% turning or beyond, 45% 2003, 35% avg. Canola 97% blooming or beyond, 99% 2003, 98% avg.; 16% turning or beyond, 38% 2003, 31% avg. Dry Edible Beans 42% blooming or beyond, 71% 2003, 76% avg.; 3% podding or beyond, 24% 2003, 28% avg. Flaxseed 85% blooming or beyond, 92% 2003, 90% avg.; 6% turning or beyond, 11% 2003, 8% avg. Potatoes 86% blooming or beyond, 88% 2003, 88% avg.; 59% had rows filled or beyond, 65% 2003, 77% avg. Sunflower 2% blooming or beyond, 6% 2003, 6% avg. Emerged crop conditions ratings: Canola 2% very poor, 6% poor, 29% fair, 44% good, 19% excellent. Durum wheat 4% very poor, 7% poor, 24% fair, 61% good, 4% excellent. Dry edible beans 2% very poor, 4% poor, 36% fair, 48% good, 10% excellent. Flax 2% very poor, 3% poor, 29% fair, 55% good, 11% excellent. Potatoes 1% very poor, 3% poor, 26% fair, 55% good, 15% excellent. Sugarbeets 2% very poor, 4% poor, 25% fair, 56% good, 13% excellent. Sunflower 1% very poor, 5% poor, 33% fair, 51% good, 10% excellent; Hay 18% very poor, 12% poor, 30% fair, 34% good, 6% excellent. Alfalfa 1st cutting complete 98%, 2nd cutting complete 21%, 72% of all other hay had been baled. Stockwater 5% very short, 16% short, 76% adequate, 3% surplus. Range, pasture feeds 15% very poor, 13% poor, 31% fair, 35% good, 6% excellent.

OHIO: Days suitable for field work 5.2. Topsoil 4% very short, 26% short, 63% adequate, 7% surplus. Alfalfa hay 2nd cutting complete 69%, 53% 2003, 76% avg.; 3rd cutting complete 5%, 3% 2003, 10% avg. Apples harvested (summer) 39%, 32% 2003, 37% avg. Corn 85% silked, 54% 2003, 61% avg.; 15% dough, 1% 2003, 6% avg. Peaches 36% harvested, 17% 2003, 23% avg. Oats 84% ripe, 59% 2003, 78% avg. Oats 30% harvested, 13% 2003, 34% avg. Other hay 2nd cutting complete 42%, 32% 2003, 52% avg.; 3rd cutting complete 2%, 3% avg. Soybeans 77% blooming, 63% 2003, 72% avg.; 37% setting pods, 15% 2003, 22% avg. Corn conditions 4% very poor, 10% poor, 24% fair, 45% good, 17% excellent. Hay conditions 3% very poor, 13% poor, 32% fair, 43% good, 9% excellent. Oats conditions 2% very poor, 4% poor, 27% fair, 59% good, 8% excellent. Pasture feeds 2% very poor, 7% poor, 27% fair, 53% good, 11% excellent. Soybean conditions 5% very poor, 12% poor, 29% fair, 43% good, 11% excellent. Many areas of the state are receiving plenty of rain while other sections of the state are reporting dry conditions. Brown county has experienced dry weather this past week. The planting season this year has caused some hardships among some farmers. However, some areas that were needing rain last week received welcome showers from Wednesday to Friday. In Fairfield county, the corn, bean growth benefitted from the rain. The abundant moisture which occurred earlier in the season, has affected the production, growth of many crops. The wheat harvest went well, however, test weights seemed to be low due to head scab, other diseases from prior soggy weather. Baling straw, hay, applying herbicides to soybeans were the main activities this past week. Many counties have also been getting ready for county fairs. The oat harvest is complete in Williams county. Farmers in Lucas county have been busy picking squash, cucumbers, tomatoes, sweetcorn, peppers. The peaches in Fulton county incurred some hail damage this past week. Livestock was doing well in Harrison, Monroe counties. Monroe county reported pink eye in some of the cattle, however, the young calves are continuing to grow well.

OKLAHOMA: Days suitable for fieldwork 5.9. Topsoil 4% very short, 30% short, 64% adequate, 2% surplus. Subsoil 4% very short, 22% short, 73% adequate, 1% surplus. Wheat 85% plowed, 79% last week, 89% 2003, 88% avg.; 5% seedbed prepared, 4% 2003, 7% avg. Oats 85% plowed, 79% last week, 86% 2003, 87% avg.; 4% seedbed prepared, 3% 2003, 4% avg. Rye 88% plowed, 85% last week, 31% avg. Corn 1% poor, 11% fair, 33% good, 55% excellent; 85% silking, 64% last week, 66% 2003, 81% avg.; 48% dough, 42% last week, 38% 2003, 37% avg.; 15% mature, 9% last week, 11% 2003, 10% avg. Soybeans 2% poor, 32% fair, 53% good, 13% excellent; 97% emerged, 93% last week, 99% 2003, 97% avg.; 49% blooming, 38% last week, 34% 2003, 49% avg.; 27% setting pods, 15% last week, 20% 2003, 26% avg. Peanuts 55% setting pods, 36% last week, 36% 2003, 48% avg. Alfalfa hay 1% very poor, 3% poor, 23% fair, 55% good, 18% excellent; 84% 3rd cutting, 73% last week, 83% 2003, 71% avg. Other hay 1% very poor, 2% poor, 28% fair, 54% good, 15% excellent; 93% 1st cutting, 90% last week, 93% 2003, 93% avg.; 40% 2nd cutting, 32% last week, 31% 2003, 37% avg. Watermelons 93% setting fruit, 87% last week, 99% 2003, 99% avg.; 59% harvested, 45% last week, 58% 2003, 50% avg. Livestock 1% poor, 15% fair, 57% good, 27% excellent. Pasture, Range 1% very poor, 5% poor, 22% fair, 52% good, 20% excellent. Livestock: Livestock conditions 27% excellent, 57% good, 15% fair, 1% poor. Livestock insect activity was mostly moderate to light. The price for feeder steers, heifers dropped this week. Feeder steers less than 800 pounds went down \$1.95 to \$118.45 per cwt. The price for feeder heifers less than 800 pounds also decreased to \$110.42 per cwt., a three dollar and forty-two cent drop from previous week.

OREGON: Days suitable for fieldwork 6.8. Topsoil 11% very short, 42% short, 47% adequate. Subsoil 10% very short, 44% short, 45% adequate, 1% surplus. Barley 20% harvested, 10% previous week, 23% 2003, 20% 5-yr avg.; condition 4% poor, 31% fair, 56% good, 9% excellent. Winter wheat 23% harvested, 12% previous week, 46% 2003, 32% 5-yr avg.; condition 6% poor, 30% fair, 58% good, 6% excellent. Spring wheat 15% harvested, 5% previous week, 25% 2003, 13% 5-yr avg. Range, Pasture: 8% poor, 43% fair, 43% good, 6% excellent. Activities: Hot weather conditions intensified last week in the state. High temperatures exceeded 100° in most stations, with The Dalles recording weekly high of 106°. Low temperatures generally in fifties. Higher than average temperatures caused stress to some crops. Not much precipitation in western state, with some gusty wind conditions in several southwest areas. Some noticeable precipitation occurred in north-central, northeast state. Hailstorm occurred in Baker County, with no major crop damage. Some early-week thunderstorms occurred in Sherman, Union, Malheur counties, with mixed crop damage. Second, third cuttings of alfalfa, other hay ongoing across the state. Grass seed harvest continued in Willamette Valley, in northeast state. Red clover seed in full bloom in Washington County. In Baker County, bluegrass seed harvested. Winter wheat harvest continued in eastern state, began in many western state counties. Yield projections mixed in Umatilla County, appeared good in Sherman County. Barley continued to ripen in Klamath County; small grain harvest projections there appear set for early August. Green bean harvest continued throughout the state. Zucchini, crook-neck, other varieties of summer squash ripening. Peppers, eggplants setting. Early tomato varieties maturing. Beet seed fields nearing window time. Sweet corn ripening, will be available soon. Local markets have salad greens for sale. Onion crop condition good. Potatoes 90% row closed, flowering in Klamath County. Potato vines began to turn on sandier ground in Malheur County. Blueberries, blackberries continued to be picked throughout Willamette Valley. Apple, pears continued to size. Tart cherry harvest completed in Yamhill County, while peach harvest continued. Southern Willamette Valley hazelnuts looked good. Trees with eastern filbert blight stressed, limbs turned brown. Southern coast blueberries picked. Some growers reported their cranberries sizing well. Third cover spray applied to Jackson County pears; harvest for early varieties could begin at end of next week. Temperatures over 100° required nursery growers to do heavy irrigation to keep plants alive. Nurseries also fed plants, repotted plants, performed pot rotation. Bearded iris growers harvested tubers for shipment to customers. Greenhouses stocked up on late summer, fall planting materials. Christmas tree growers sheared trees. Very warm weather temperatures across the state continued to stress pastures. Dryland pastures in some areas of western state reported depleted. Supplemental feeding common in these areas. Irrigation continued on pastures with facilities available. Rangeland in eastern state reported in good condition. Livestock across the state reported doing very well.

PENNSYLVANIA: Days suitable for field work 3.0. Soil 4% short, 60% adequate, 36% surplus. Corn 67% silk, 24% 2003, 46% avg.; 14% dough, 1% 2003, 13% avg.; height 75 inches, 53 inches 2003, 61 inches avg.; condition 1% very poor, 5% poor, 15% fair, 40% good, 39% excellent. Winter wheat 84% harvested, 63% 2003, 86% avg.; condition 3% very poor, 10% poor, 37% fair, 43% good, 7% excellent. Oats 70% turning yellow, 53% 2003, 73% avg.; 29% ripe, 20% 2003, 46% avg.; 7% harvested, 3% 2003, 25% avg.; condition 1% very poor, 13% poor, 32% fair, 43% good, 11% excellent. Soybean condition 1% very poor, 2% poor, 11% fair, 54% good, 32% excellent. Potatoes 5% harvested, 0% 2003, 4% avg. Alfalfa 2nd cutting complete 69%, 56% 2003, 71% avg.; 3rd cutting complete 17%, 13% 2003, 20% avg.; condition 1% very poor, 4% poor, 24% fair, 54% good, 17% excellent. Timothy clover 1st cutting complete 92%, 85% 2003, 92% avg.; 2nd cutting complete 15%, 12% 2003, 23% avg.; condition 1% very

poor, 5% poor, 28% fair, 50% good, 16% excellent. Peach condition 8% fair, 44% good, 48% excellent. Peaches 38% harvested, 20% 2003, 23% avg. Apple condition 8% poor, 26% fair, 53% good, 13% excellent; 7% harvested, 6% 2003, 6% avg. Quality of hay made 9% very poor, 16% poor, 34% fair, 27% good, 14% excellent. Pasture feeds 1% poor, 31% fair, 68% good. Activities Include: Hay making; spreading manure; applying herbicides, pesticides; harvesting wheat, oats; picking fruit; repairing fences, machinery; and baling straw.

SOUTH CAROLINA: Days suitable for field work 6.0. Soil 4% very short, 24% short, 69% adequate, 3% surplus. Corn 100% silked, 100% 2003, 100% avg.; 87% doughed, 80% 2003, 81% avg.; 27% matured, 16% 2003, 30% avg.; 5% very poor, 11% poor, 24% fair, 49% good, 11% excellent. Peanuts 86% pegged, 86% 2003, 80% avg.; 1% poor, 28% fair, 56% good, 15% excellent. Sorghum 94% headed, 74% 2003, 70% avg.; 43% turned color, 39% 2003, 38% avg.; 13% matured, 1% 2003, 3% avg.; 45% fair, 50% good, 5% excellent. Cotton 93% squared, 84% 2003, 90% avg.; 53% setting bolls, 28% 2003, 39% avg.; 2% poor, 21% fair, 70% good, 7% excellent. Barley 100% harvested, 100% 2003, 100% avg. Pastures 1% very poor, 8% poor, 42% fair, 44% good, 5% excellent. Rye 100% harvested, 99% 2003, 100% avg. Soybeans 45% bloomed, 21% 2003, 31% avg.; 22% setting pods, 6% 2003, 15% avg.; 2% poor, 20% fair, 65% good, 13% excellent. Tobacco 98% topped, 97% 2003, 97% avg. 33% harvested, 28% 2003, 26% avg.; 6% poor, 15% fair, 56% good, 23% excellent. Other hay 77% harvested, 74% 2003, 75% avg.; 5% poor, 36% fair, 51% good, 8% excellent. Peaches 58% harvested, 59% 2003, 63% avg.; 6% very poor, 2% poor, 16% fair, 32% good, 44% excellent. Apples 70% fair, 30% good. Snapbeans 99% harvested, 100% 2003, 98% avg. Watermelons 92% harvested, 92% 2003, 92% avg. Tomatoes 99% harvested, 100% 2003, 98% avg. Cantaloups 96% harvested, 95% 2003, 94% avg. Livestock 2% poor, 23% fair, 68% good, 7% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 6.1. Topsoil 12% very short, 23% short, 62% adequate, 3% surplus. Subsoil 21% very short, 22% short, 55% adequate, 2% surplus. Feed supplies 13% very short, 19% short, 64% adequate, 4% surplus. Stock water supplies 19% very short, 27% short, 52% adequate, 2% surplus. Winter wheat 87% ripe, 95% 2003, 92% avg. Barley 90% turning color, 88% 2003, 83% avg.; 30% ripe, 39% 2003, 44% avg. Oats 89% turning color, 94% 2003, 89% avg.; 41% ripe, 63% 2003, 57% avg. Spring Wheat 91% turning color, 95% 2003, 89% avg.; 26% ripe, 46% 2003, 46% avg. Sunflower 6% very poor, 6% poor, 35% fair, 46% good, 7% excellent. Corn cultivated or sprayed twice 97%, 94% 2003, 93% avg.; 51% tasseled, 55% 2003, 58% avg. Sunflower 4% blooming, 9% 2003, 9% avg. Cattle condition 2% poor, 18% fair, 65% good, 15% excellent. Sheep condition 11% fair, 65% good, 24% excellent. Range, Pasture 11% very poor, 18% poor, 30% fair, 33% good, 8% excellent. Alfalfa hay 13% very poor, 12% poor, 21% fair, 42% good, 12% excellent; 1st cutting harvested 98%, 100% 2003, 100% avg.; 2nd cutting harvested 56%, 71% 2003, 61% avg.; 3rd cutting harvested 1%. Other hay harvested 75%, 87% 2003, 78% avg. Generally warm, dry weather allowed for significant winter wheat harvest progress last week. The warm conditions advanced maturity ratings for all crops, as well. However, the minimal precipitation did stress soil moisture, crop condition ratings. Producers are haying, crop scouting, and maintaining livestock in addition to harvesting small grains.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 1% very short, 17% short, 77% adequate, 5% surplus. Subsoil 12% short, 83% adequate, 5% surplus. Tobacco 41% topped, 31% 2003, 35% avg.; 4% very poor, 7% poor, 24% fair, 51% good, 14% excellent. Alfalfa hay 2nd cutting 85%, 91% 2003, 92% avg. Pastures 2% poor, 12% fair, 66% good, 20% excellent. Farmers made excellent use of sunny, mild weather last week to complete many field activities postponed earlier by wet fields. Some of the major activities were harvesting hay, spraying for weeds, insects, topping tobacco. Tobacco growers topped an additional 17% of the crop, began harvest on a limited basis. Some farmers were behind on hay harvest due to wet pastures or excessive growth. In a few areas, cattlemen were addressing fly, pink eye problems. Temperatures averaged below normal across the State for the week, while rainfall averaged below normal in Middle State, near or slightly above normal across the remainder of the state.

TEXAS: Agricultural Summary: Some good general rains, a few strong thunderstorms made their way through the State during the week. A rare summer cold front worked its way down from the northwest colliding with Gulf moisture to create widespread precipitation, some torrential downpours. Nearly all portions of the Panhandle, South Plains received at least 1/4 inch of rain while more than a few areas recorded over an inch, one isolated location reported over 4 inches accumulation. North Central State saw rainfall amounts ranging from 1/4 to 2 inches. The Trans Pecos, South State regions recorded very heavy rain totaling up to 4 inches in some locations while large areas received 2 inches accumulation. Late week thunderstorms blew through parts of the Upper Coast, Edwards Plateau, East, Central State. High winds, hail, up to 3 inches of rainfall in some locations were a result of the storms. The increased soil moisture was definitely welcomed across western regions as conditions have been hot, dry over the past several weeks. Field work was generally open most of the week but slowed down considerably by week's end as showers moved through. Haying activity was heavy statewide as conditions allowed. Insect pressure was light in most regions.

Cattle remained in good condition. Small Grains: Wheat field plowing was active on the Plains. Producers were in the planning stages for next season's crop. Corn: Corn continued to be in excellent condition statewide. Irrigation was ongoing on the Panhandle while insect pressure remained light. Some irrigation pumps were expected to be turned off in the next few weeks to allow the corn to finish off. Some rust was reported in a few fields on the Blacklands. Harvest had begun in South State, should begin within the next week or so in parts of Central State, the Upper Coast. Combining on the Coastal Bend was underway. Rio Grande Valley corn harvest was ongoing. Corn condition 95% normal compared with 60% 2003. Cotton: Cotton progress continued as most fields on the Panhandle, South Plains were blooming, squaring. Earlier planted fields were beginning to set bolls. Irrigated fields were in great shape. Dryland fields were suffering from the hot, dry conditions earlier this month but should have gotten some relief with the rain late in the week. Pink bollworm pressure was reported on the South Plains. Defoliation in preparation for harvest was starting on the Coastal Bend. Harvest of early fields were expected to begin within the next 10 days. Cotton harvest in the Rio Grande Valley continued. Cotton condition 77% normal compared with 61% 2003. Sorghum: Irrigation was active on the Panhandle. The crop was heading out, blooming on the South Plains. Limited harvest had begun in southern locations of the Blacklands. Combining was gaining momentum across Central State, the Upper Coast. Harvest was fast, furious across the Coastal Bend, nearly complete in the Rio Grande Valley. Most yields across the regions were reported as favorable. However, there were a few reports on the Upper Coast, Coastal Bend of yields being affected by the excessive rain in the late Spring. Sorghum condition 82% normal compared with 67% 2003. Peanuts: Peanuts were pegging, in excellent shape. Peanut condition 91% normal compared with 87% 2003. Rice: Rice was heading out, many fields were turning color. Early rice fields were being drained. Rice condition 83% normal, compared with 86% 2003. Commercial Vegetables, Fruit, Pecans In the High Plains, pumpkins were growing rapidly. Soil moisture was rated 100% adequate. were ahead of schedule. In the Trans-Pecos, potato, late onion harvest was complete. Grape harvest was in full swing. Watermelon harvest was ongoing. In East State, peach harvest continued. Blueberry harvest was nearly complete. Some vegetable crops were wilting in the day time heat. Pecans: Irrigation continued in western areas. Pecan scab, powdery mildew were reported in a few locations. Range, Livestock: Range, native pasture remained in decent shape. Improvement was expected in areas that received precipitation. Stocking rates were low due to quality grazing, the high price of replacement cattle. Haying was very active where conditions allowed. In eastern regions, hay quality was low in some fields as producers were delayed in cutting because of weather. Cattle continued to be in good shape statewide. Some internal parasite problems were reported on sheep.

UTAH: Days suitable for field work 6. Subsoil 19% very short, 43% short, 38% adequate, 0% surplus. Irrigation Water Supplies 32% very short, 40% short, 28% adequate, 0% surplus. Winter wheat 16% harvested, 36% 2003, 27% avg.; condition 3% very poor, 12% poor, 19% fair, 49% good, 17% excellent. Spring wheat 5% harvested, 16% 2003, 12% avg.; 0% very poor, 5% poor, 22% fair, 48% good, 25% excellent. Barley 22% harvested (grain), 19% 2003, 17% avg.; condition 0% very poor, 4% poor, 21% fair, 59% good, 16% excellent. Oats 93% headed, 93% 2003, 89% avg.; 6% harvested (grain), 5% 2003, 6% avg.; 83% harvested for hay or silage, 84% 2003, 76% avg. Corn 37% silked (tasseled), 26% 2003, 22% avg; condition 0% very poor, 2% poor, 17% fair, 65% good, 16% excellent; height 61 inches, 61 inches 2003, 59 inches avg. Alfalfa hay 2nd cutting 75%, 64% 2003, 65% avg.; 3rd cutting 6%, 4% 2003, 5% avg. Other hay cut 82%, 82% 2003, 84% avg. Cattle, calves moved from summer range 1%, 0% 2003, 4% avg. Cattle, calves condition 0% very poor, 2% poor, 20% fair, 63% good, 15% excellent. Sheep, lambs moved from summer range 0%, 0% 2003, 3% avg. Sheep condition 0% very poor, 1% poor, 22% fair, 64% good, 13% excellent. Stock water supplies 14% very short, 37% short, 48% adequate, 1% surplus. Apricots 70% harvested, 99% 2003, 94% avg. Sweet cherries 100% harvested, 99% 2003, 99% avg. Tart cherries 78% harvested, 38% 2003, 57% avg. Peaches 2% harvested, 0% 2003, 1% avg. Due to thunderstorms across the state, last week farmers, ranchers saw 6.3 days suitable for field work. The rains caused some crop damage in parts of the state, slowed down the hay harvest where hay was wet. Farmers, ranchers across the state continued to be concerned about a lack of irrigation, stock water supplies. Grasshoppers were causing concerns in Iron County. Small grain harvest began in many parts of the state last week. In Box Elder County, barley was being cut, producers were starting on wheat. Morgan, Utah, other counties reported that grain oat harvest was underway as well. Corn continued to progress. Box Elder County reported that silage corn was beginning to wilt where irrigation was in short supply, but was doing well where water was adequate. Average corn height in the state was 61 inches. Tart cherry and apricot harvests continued. Sheep, cattle were in good condition. Some producers were moving more animals to summer range due to improved conditions, while in Emery County, producers concerned with a lack of drinking water were hauling supplies to livestock.

VIRGINIA: Days suitable for fieldwork 4.9. Topsoil 14% short, 63% adequate, 23% surplus. Subsoil 14% short, 69% adequate, 17% surplus. It was a wet, cool week for the state. A cold front from the northwest lowered the average temperature 2° below the norm, contributed to heavy isolated rain showers. The

State experienced an average rainfall of 1.5 inches; which is ½ inch above the norm for this time of year. Some places experienced between 6 to 8 inches of rain. Despite this, there remains a few scattered areas in need of precipitation, having not received any rain this week. Most farmers have struggled trying to make hay; some farmers were able to complete their 2nd cutting while others are still trying to complete their 1st cutting. Cool evenings, wet, humid weather have caused disease problems with some vegetable, fruit crops. Lack of sunshine, low lying flooded fields have slowed the progress of soybeans. However, State's corn crop continues to excel. Activities Included: Marketing lambs, fixing fence, mowing field boarders, applying herbicides, weaning fall born calves, and harvesting tobacco.

WASHINGTON: Days suitable for fieldwork was 6.9. Topsoil 4% very short, 50% short, 46% adequate. Subsoil 6% very short, 30% short, 64% adequate. Irrigation water supply 9% short, 91% adequate. The highest temperature in the state was 104° in Walla Walla, Whitman. The lowest temperature in the state was 43° in Deer Park. Winter wheat condition 2% very poor, 4% poor, 23% fair, 57% good, 14% excellent; harvest 15% complete. Spring wheat condition 3% very poor, 3% poor, 33% fair, 54% good, 7% excellent; 100% headed, 3% harvested. Barley condition 2% very poor, 2% poor, 32% fair, 52% good, 12% excellent; 100% headed, 2% harvested. Winter wheat harvest was in full swing, counties reported average yields. Potato conditions 1% poor, 9% fair, 88% good, 2% excellent; 16% harvested. Corn conditions 2% fair, 97% good, 1% excellent. Dry Peas 8% harvested. Dry edible bean conditions 2% fair, 95% good, 3% excellent; 1% harvested. Processing green peas 93% harvested. Growers of young Noble firs reported an estimated 25% heat scorch damage to new growths. Potato, hay harvests continued. Alfalfa Hay 1st cutting complete 100%, 2nd cutting complete 80%, 3rd cutting complete 12%. Hay, other roughage supplies 1% very short, 5% short, 84% adequate, 10% excellent. Range, pasture feeds 7% very poor, 18% poor, 28% fair, 47% good. Poultry producers reported greater than normal fatalities due to extremely warm temperatures. Shellfish growers continued Spartina grass control, assessments were made on burrowing shrimp control operations. Cranberry growers completed early season weed control efforts, bogs were irrigated continually. Blueberry fruit was ripening rapidly, causing a strain on both pickers, berry processing facilities. Raspberry harvest is winding down. Harvest continued on cauliflower, broccoli, dry peas, and soft fruit.

WEST VIRGINIA: Days suitable for field work 5.0. Topsoil 16% short, 70% adequate, 14% surplus, 2003 2% short, 90% adequate, 8% surplus. Corn conditions 1% very poor, 3% poor, 15% fair, 57% good, 24% excellent; 78% silked, 25% 2003, 48% 5-yr avg.; 9% doughing. Oats conditions were 4% poor, 26% fair, 63% good, 7% excellent; 99% headed, 44% harvested for grain, 20% 2003, 25% 5-yr avg. Soybeans conditions 1% poor, 5% fair, 64% good, 30% excellent; 70% blooming, 10% 2003, 40% 5-yr avg.; 43% setting pods. Tobacco conditions 17% poor, 23% fair, 53% good, 7% excellent; 1% topped, 3% 2003, 7% 5-yr avg. Winter wheat 99% harvested for grain, 85% 2003, 87% 5 yr-avg. Hay conditions 4% poor, 33% fair, 53% good, 10% excellent. First cutting 95% complete, 90% 2003, 97% 5-yr avg. Second cutting 24% complete, 15% in 2003, 33% 5-yr avg. Apples 4% excellent. Cattle, calves 1% poor, 11% fair, 80% good, 8% excellent. Sheep, lambs 1% poor, 8% fair, 81% good, 10% excellent. Activities Included: Hay making, clipping pastures, and controlling flies.

WISCONSIN: Days suitable for fieldwork 5.7. Soil 2% very short, 18% short, 75% adequate, 5% surplus. Although temperatures were below normal, State's farmers were happy with last week's sunny, dry weather. Temperatures this past week were about 2° below normal for this time of year, ranging from the 50's to the low 80's. Precipitation was less than one inch across the state. Year-to-date precipitation in the northwestern part of the state is about two inches below normal, the west central part of the state is almost five inches above normal. The southeastern part of the state is a little over an inch above normal, while the rest of the state is about normal. Corn is progressing very fast with the favorable weather conditions, with most corn tasseling and beginning to silk. Early-planted corn is beginning to pollinate. The second crop hay is reported to be of good quality, yield. Oat harvesting is underway, yields are looking good. Soybeans are blossoming, pods are starting to set in many areas of the state. Wheat harvest has begun in most areas around the state.

WYOMING: Topsoil 13% very short, 43% short, 44% adequate, 0% surplus. 2003 57% short or very short. Subsoil 32% very short, 42% short, 26% adequate, 2003 69% short or very short. Winter wheat condition 12% very poor, 26% poor, 48% fair, 14% good. Spring wheat condition 36% very poor, 25% poor, 18% fair, 21% good. Oats condition 10% very poor, 20% poor, 30% fair, 39% good, 1% excellent. Barley condition 7% very poor, 9% poor, 88% fair, 66% good. Soaring temperatures, general showers. Small grain harvest in full swing. Stock water supplies adequate in one-third of the State.

International Weather and Crop Summary

July 18 - 24, 2004

International Weather and Crop Highlights and Summaries provided by USDA/WAOB

HIGHLIGHTS

EUROPE: Across northern, central, and southeastern Europe, wet, warm weather favored reproductive summer crops but slowed winter grain maturation and harvesting, especially in Germany.

FSU-WESTERN: Drier weather helped winter grain harvesting to resume in Ukraine, while widespread rain disrupted harvests in southern Russia.

FSU-NEW LANDS: Dryness continued to stress spring grains in north-central Kazakstan, while scattered showers brought limited relief to the Urals region in Russia.

AUSTRALIA: Welcomed rain in southeastern Australia benefited winter grains, while dry weather continued to reduce moisture supplies in northern New South Wales and Queensland.

MEXICO: Widespread showers continued to favor summer crops and pastures across most of northwestern, central, and southern Mexico.

CANADA: Above-normal temperatures continued across the Prairies, helping to advance spring crop development.

SOUTH ASIA: The monsoon circulation remained weak and erratic, intensifying drought concerns in portions of central and southern India and worsening flooding in the east.

SOUTHEAST ASIA: Flooding resumed in western Luzon, the Philippines.

EASTERN ASIA: Rain and warm weather favored development of corn, cotton, and soybeans in northern China, while dry weather continued to maintain reduced moisture supplies for rice in southeastern China.

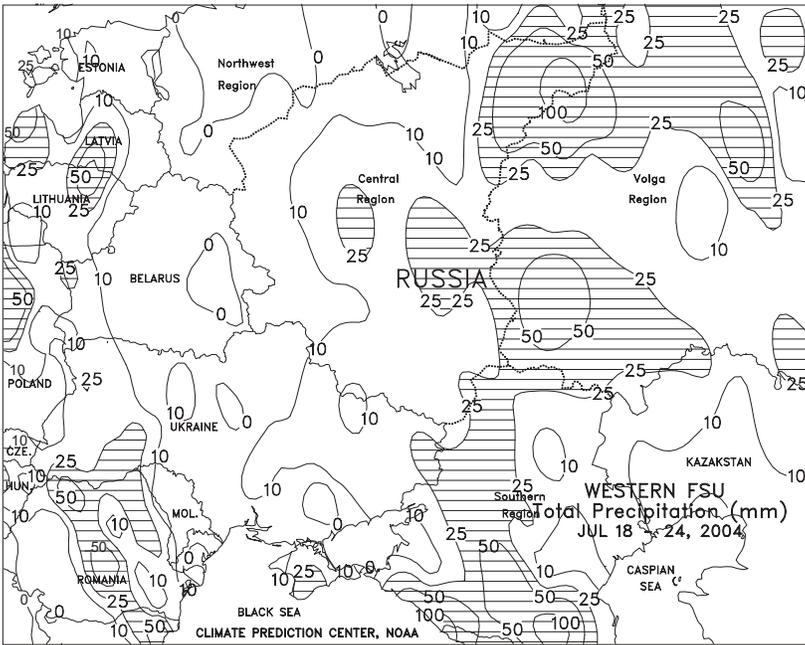
BRAZIL: Cool, showery weather caused additional delays in coffee harvesting.

ARGENTINA: Highly beneficial rain covered southern winter wheat areas, increasing moisture for germination and establishment.



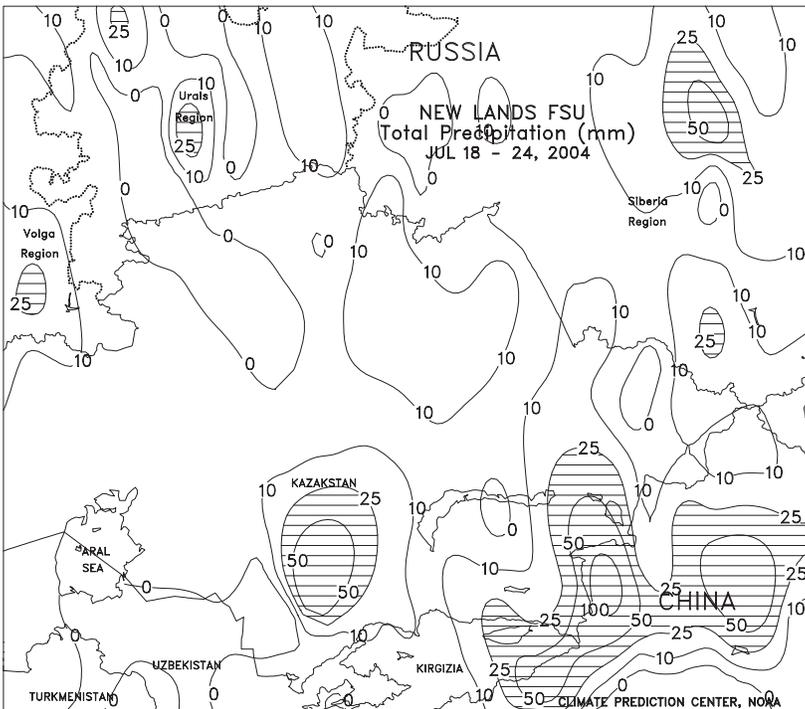
EUROPE

Widespread rain (10-30 mm) across England and France and eastward into Poland and the Czech Republic favored reproductive spring and summer crops. Heavier rain (25-70 mm) across the Low Countries and most of Germany possibly reduced grain quality for mature winter wheat and slowed harvesting. Mostly dry weather (less than 10 mm) continued across Hungary, Slovakia, northern Serbia, western Romania, and western Bulgaria, favoring winter grain harvesting but reducing soil moisture for reproductive summer crops. Adequate soil moisture still exists for summer crops across these regions, but more rain is needed to maintain favorable crop prospects. In the lower Danube River Valley, widespread rain (10-40 mm) covered eastern Romania and northeastern Bulgaria, boosting soil moisture for reproductive summer crops but slowing winter grain harvesting. Scattered showers (10-30 mm) fell across Italy's Po Valley, where most summer crops are irrigated. Across most of Spain, seasonably dry weather favored winter grain harvesting. Temperatures averaged 1 to 4 degrees C above normal across most of Europe, favoring winter grain fieldwork but increasing evapotranspiration rates for summer crops. Maximum temperatures reached the lower to mid 30s degrees C across central France, northern Italy, and southeastern Europe. Seasonably hot weather prevailed across the Iberian Peninsula, with maximum temperatures ranging from 30 to 35 degrees C in the north and 40 to 45 degrees C in the south.



FSU-WESTERN

In Russia, widespread rain (15-35 mm or more) disrupted winter grain harvesting in the western Central Region and most of the Southern and Volga regions. Soil moisture was adequate in these areas to sustain normal development of spring grains in the filling stage and summer crops in or nearing reproduction. Mostly dry weather prevailed across Belarus and the eastern section of the Russia's Central Region. In Ukraine, drier weather (5-20 mm) allowed winter wheat harvesting to resume after last week's heavy rain. The heaviest rain (15-35 mm) continued to alleviate dryness in southwestern Ukraine, improving growing conditions for spring-sown crops. Weekly temperatures averaged 2 to 4 degrees C above normal across western Ukraine and Belarus, 2 to 4 degrees C below normal in eastern Ukraine and Russia's Southern Region, and near normal elsewhere.

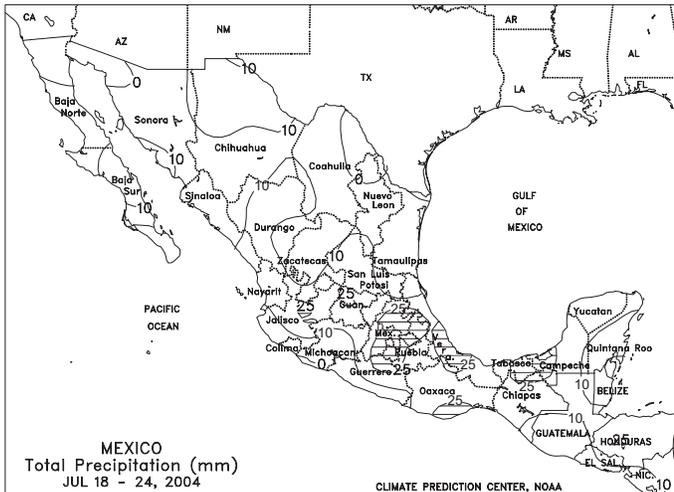
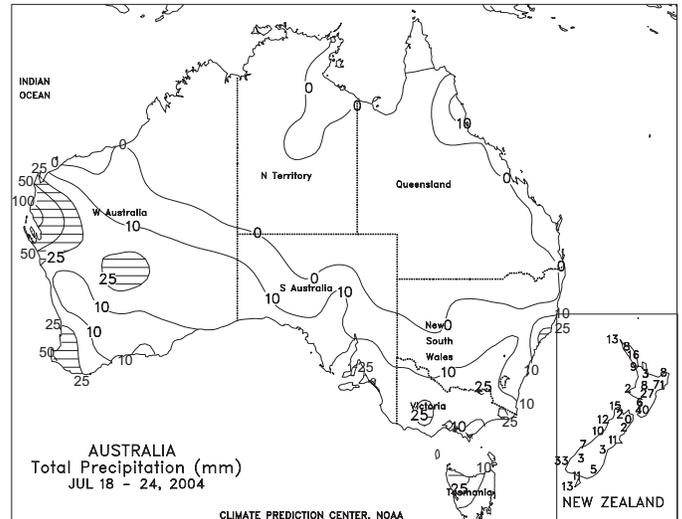


FSU-NEW LANDS

Spring grains were in or nearing the reproductive phase of development over most of the region. In Russia, scattered showers (5-15 mm or more) brought limited relief to spring grains in the Urals Region. In Siberia, mostly dry, cool weather prevailed, where adequate soil moisture existed for spring grains. In Kazakhstan, dryness worsened throughout major-spring grain areas in the north-central portion of the country, increasing stress on crops. Weekly temperatures averaged 1 to 4 degrees C above normal across northwestern Kazakhstan and Russia's Urals Region and near to slightly below normal elsewhere.

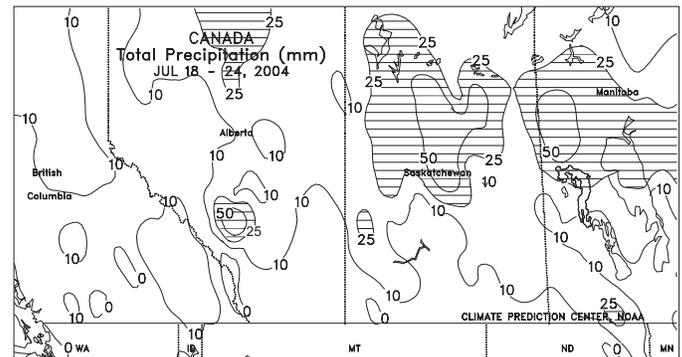
AUSTRALIA

Generally light showers (3-13 mm or more) returned to Western Australia, maintaining adequate to abundant moisture supplies for winter grains. Farther east, welcomed rain (5-15 mm, locally near 30 mm) overspread South Australia, Victoria, and central and southern New South Wales, bringing much-needed moisture to drought-plagued portions of interior southeastern Australia. The rainfall was beneficial, moistening topsoils for vegetative winter grains. However, subsoil moisture deficits remained significant. In contrast, dry weather prevailed across extreme northern New South Wales and Queensland, further reducing moisture supplies for winter wheat and barley. Temperatures in eastern and southern Australia averaged about 1 to 2 degrees C below normal, while in western Australia, temperatures averaged about 1 to 2 degrees C above normal.



MEXICO

Widespread showers (25-50 mm or more) continued across the main Mexican corn belt, southern Mexico, and the Yucatan Peninsula, maintaining adequate to abundant soil moisture for vegetative corn, sugarcane, coffee, and oranges. Widespread showers (25-100 mm) also covered northwestern Mexico (Sonora, Sinaloa, and most of Chihuahua), boosting irrigation supplies and favoring pastures but causing isolated flooding in the higher elevation of the western Sierra Madre. Light rain (less than 15 mm) prevailed across northeastern Mexico, favoring pastures and summer crops. Temperatures averaged 1 to 3 degrees C above normal across most of Mexico, increasing crop water use.

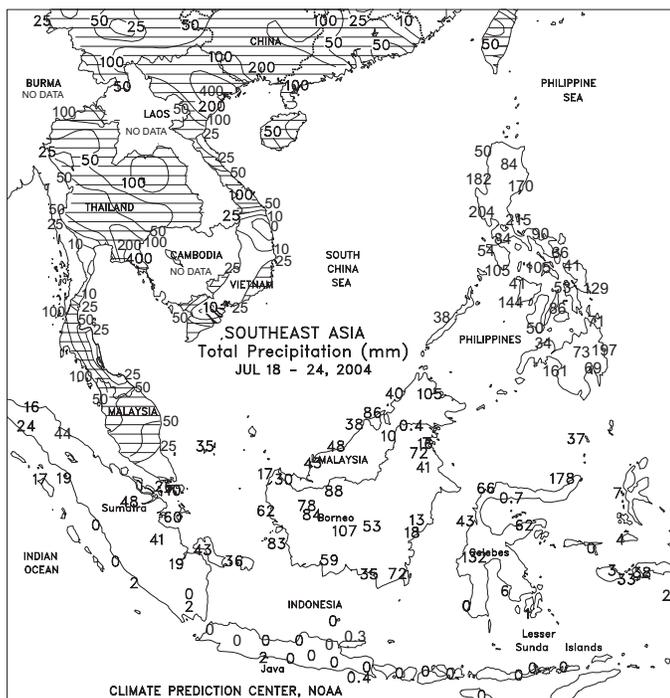
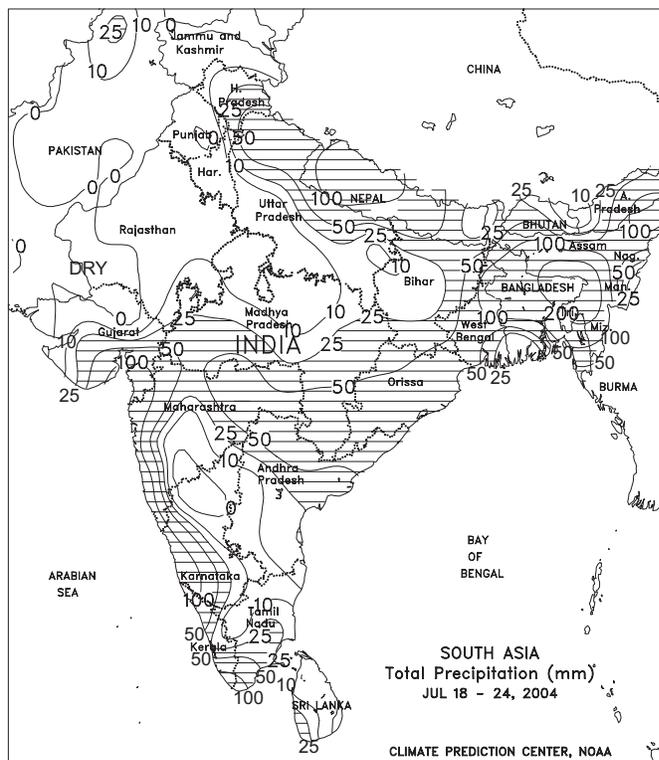


CANADA

Warmer-than-normal weather (temperatures 1-3 degrees C above normal, with highs exceeding 30 degrees C in most locations) continued across the Prairies, boosting growth rates of vegetative to reproductive spring grains and oilseeds. Scattered showers (5-25 mm or more) maintained generally favorable moisture reserves, although fields were becoming unfavorably dry on some farms in southern Alberta and nearby locations in Saskatchewan. Highs in the middle 30s degrees C exacerbated the dryness in the southwest and likely resulted in periodic stress on reproductive crops. According to provincial crop reports released last week, pastures and crops were in generally favorable condition, although development in the east lags the expected pace by as much as 2 weeks from the combined effects of late planting and the cooler-than-normal spring. In eastern Canada, mild (highs in the upper 20s and lower 30s degrees), mostly sunny weather promoted corn and soybean development in southern Ontario and fostered winter wheat drydown and harvesting. Scattered showers maintained mostly favorable moisture levels for summer crops and pastures in eastern Ontario and Quebec. As in the Prairies, crops were reportedly in overall good condition but experiencing some weather-related delays in progress.

SOUTH ASIA

The monsoon should be fully established by now in its usual northernmost extent (northern sections of India and Pakistan). However, an anomalously strong westerly flow aloft over central Asia is impeding the monsoon's progress and making the circulation unseasonably weak and erratic. Consequently, warmer- and drier-than-normal weather dominated much of India and Pakistan, reducing moisture for vegetative grains, oilseeds, and cotton. Of greatest concern are rainfed groundnuts, soybeans, and cotton, predominantly grown in the central and southern interior. Although rainfall totaled 25 to 50 mm or more from southern Gujarat to the eastern coast, including sections of Madhya Pradesh, Maharashtra, and Andhra Pradesh, highs in the middle 30s degrees C maintained high crop moisture demands. In addition, no rain fell over northern growing areas of Gujarat and Madhya Pradesh, as well as a large portion of the southern interior (central Maharashtra, eastern Karnataka, southern Andhra Pradesh, and Tamil Nadu). Farther east, locally heavy showers (50-100 mm, locally exceeding 200 mm) worsened flooding in Bangladesh and neighboring locations of eastern India, reportedly further damaging crops and renewing health concerns. Lighter showers (25-50 mm or more) maintained generally favorable moisture reserves for rice in Orissa, northern Andhra Pradesh, and eastern Madhya Pradesh. Across the north, rainfall (25 mm or more) was generally confined to northern growing areas of Uttar Pradesh. Moisture levels should be adequate in predominately irrigated cotton and rice areas across northern Pakistan and northern India due to earlier periods of unseasonable wetness. However, above-normal temperatures (highs in the upper 30s degrees C) maintained high crop moisture demands on rice, cotton, and other summer crops.



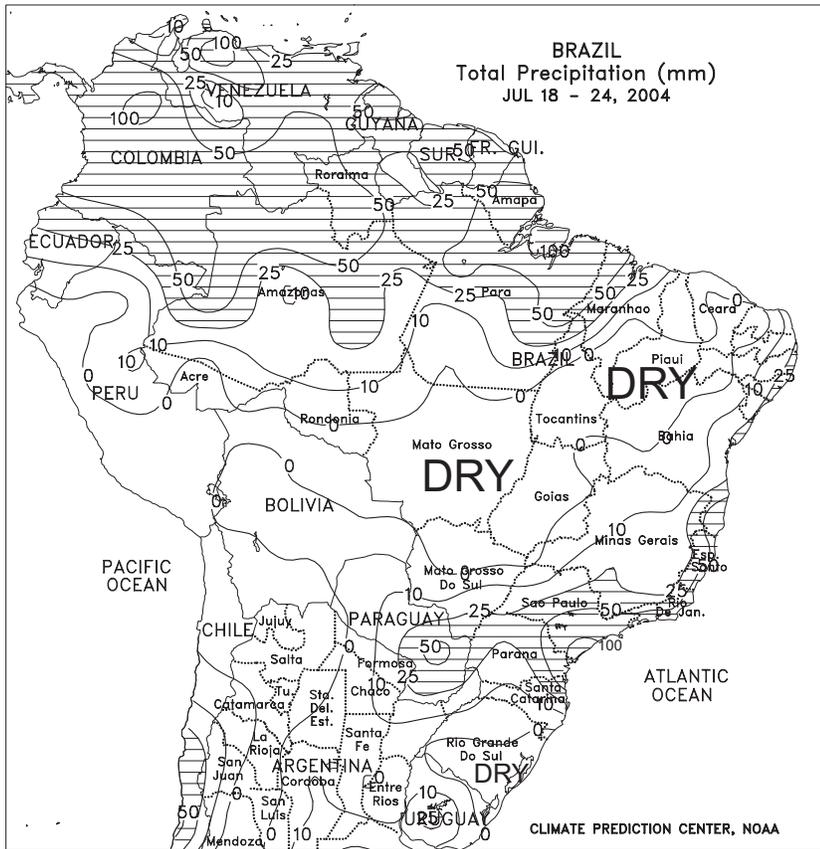
SOUTHEAST ASIA

Heavy showers (100-200 mm) caused flooding in the northern Philippines, while somewhat lighter showers (50-100 mm) increased moisture supplies for rice and corn throughout the rest of the country. In Thailand, widespread showers (50-100 mm) maintained good moisture supplies for rice and corn. In Vietnam, dry weather prevailed in the southern delta, while heavy showers (over 200 mm) caused flooding in the northern delta. Seasonable showers fell in parts of Malaysia and Sumatra, Indonesia.



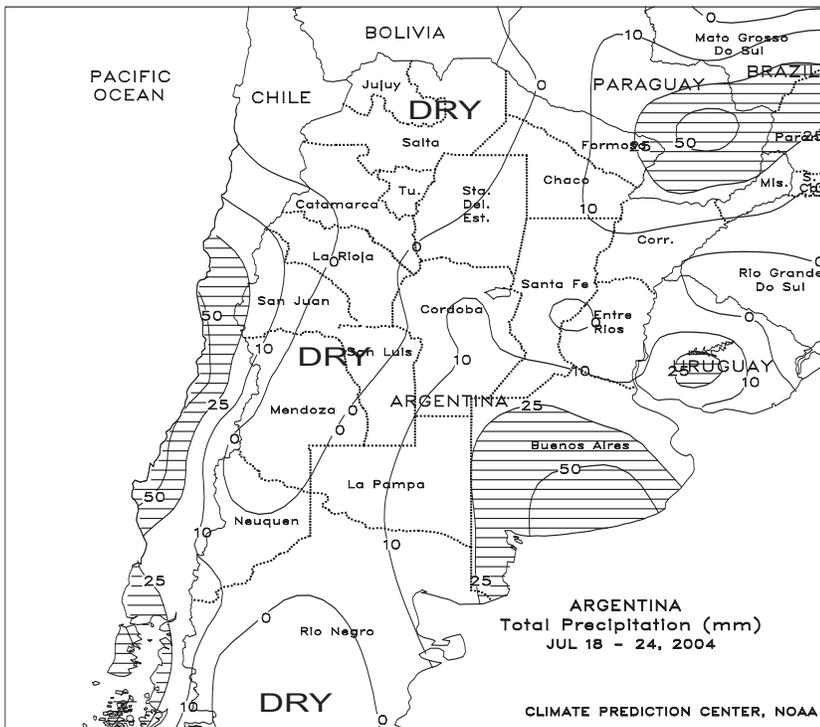
EASTERN ASIA

Showers (25-100 mm) and above-normal temperatures (highs between 30 and 35 degrees C) promoted development of corn and soybeans in Manchuria, especially Liaoning. Showers (10-100 mm) continued to maintain favorable soil moisture for cotton, corn, and soybeans on the North China Plain. In southern China, showers (25-200 mm) increased moisture supplies for late-season rice, while dry weather continued to reduce moisture supplies in Fujian and Zhejiang. Provinces in southern and southeastern China have received below-normal rainfall for the last 8 weeks. More rain is needed to maintain adequate moisture levels for late-season rice in these areas. Beneficially dry weather eased the excessive wetness experienced in South Korea over the last several weeks, with showers confined to northern North Korea and northern Honshu, Japan.



BRAZIL

Cool, showery weather (temperatures averaging 1-3 degrees C below normal; precipitation of 10-25 mm or more) swept across the main southern and eastern coffee regions (northern Parana to eastern Minas Gerais and Esperito Santo), hampering drydown and harvesting and raising concern for reductions in quality. However, temperatures stayed well above freezing, eliminating the threat of freeze damage. Mostly dry weather prevailed across coffee areas from Rondonia to Bahia. According to independent analyst Safras e Mercado, coffee was 56 percent harvested as of July 19, compared with 70 percent last season. Elsewhere, mostly dry, seasonably warm weather maintained irrigation demands for corn and cotton in the northeastern interior, as light showers (generally less than 25 mm) continued in coastal sugarcane and cocoa areas.



ARGENTINA

Much-needed rain (10-75 mm) swept across previously dry winter wheat areas of La Pampa and Buenos Aires, increasing topsoil moisture levels for germination. According to the Argentine Ministry of Agriculture, winter wheat was about 70 percent planted in those states as of July 16, prior to the beneficial rainfall. The heaviest rain (greater than 50 mm) fell in the intensive winter wheat farmland of south-central Buenos Aires. Elsewhere in the major winter wheat areas, lighter showers (5-25 mm) benefited vegetative winter wheat. A warming trend (temperatures averaging 1-4 degrees C above normal) spurred germination and early wheat growth throughout Argentina. Prior to the warm up, however, lows briefly fell below -5 degrees C in parts of Buenos Aires, possibly burning back tender vegetation.

The *Weekly Weather and Crop Bulletin* (ISSN 0043-1974) is published weekly and is jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA and IMC are responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: Domestic and International subscriptions are **\$60**. Check and credit card (Visa, MasterCard, Discover, and American Express) payments are accepted. Payments (invoices) should be mailed to: **NNDCC/NCDC, P.O. Box 70169, Chicago, IL 60673-0169**; or invoices faxed to: (304) 726-4409.

Send address changes to: **NCDC Subscription Services Center, 310 State Route 956, Building 300, Rocket Center, WV 26726**; call toll free: (866) 742-3322; TDD: (828) 271-4010; fax: (304) 726-4409; or E-mail: noaasubsvcs@imcww.com

Correspondence to the meteorologists should be directed to: **Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 4443B, Washington, DC 20250**. Internet URL: <http://www.usda.gov/oce/waob/jawf>; E-mail address: jawfweb@oce.usda.gov

U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
National Weather Service/Climate Prediction Center
Managing Editor **David Miskus** (202) 720-7919
Meteorologists **Eric Luebehusen,**
..... **Brad Pugh, Chester Schmitt, and Patrick O'Hara**

NCDC SUBSCRIPTION SERVICES CENTER

Subscriptions **Toll free:** (866) 742-3322
..... **TDD:** (828) 271-4010
..... **Fax:** (304) 726-4409
..... **E-mail:** noaasubsvcs@imcww.com

U.S. DEPARTMENT OF AGRICULTURE

Economic Research Service
E.R.S. Editor **Sharon Lee** (202) 694-5125
National Agricultural Statistics Service
Agricultural Statistician **Brian Young** (202) 720-7621
State Summaries Editor . **Delores Thomas** (202) 720-8033
World Agricultural Outlook Board
International Editor **Tom Puterbaugh** (202) 720-2012
U.S. Editor **Brad Rippey** (202) 720-2397
Agricultural Weather Analysts **Mark Brusberg,**
..... **Brian Morris, Harlan Shannon, and Bob Stefanski**
Stoneville **Bart Freeland and Nancy Lopez**

NCDC Subscription Services Center
Attn: Weekly Weather & Crop Bulletin
310 State Route 956
Building 300
Rocket Center, WV 26726

WEEKLY NEWS BULLETIN FIRST CLASS

FIRST CLASS MAIL
POSTAGE & FEES PAID
NOAA
PERMIT NO. G-19

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300