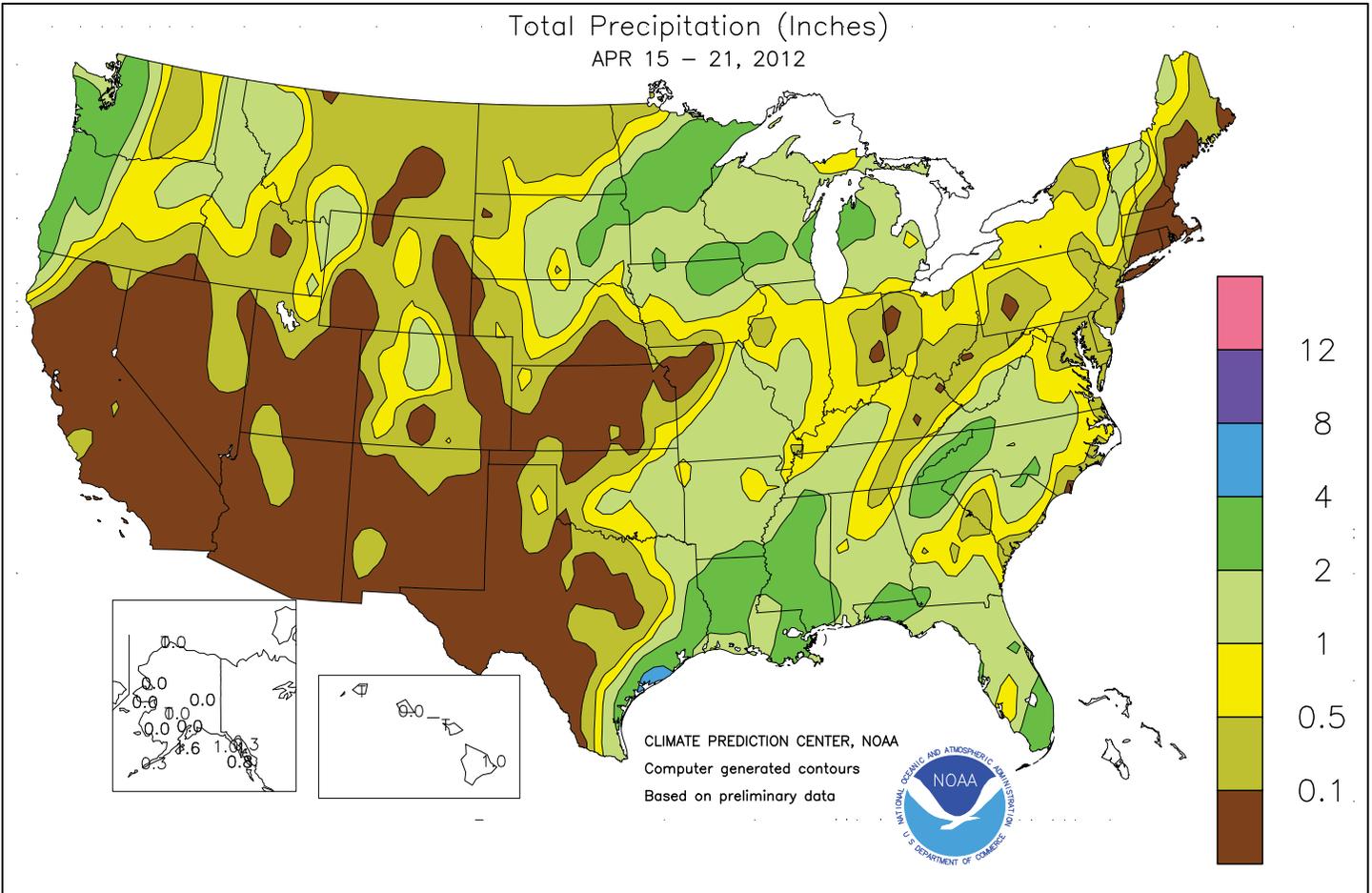


# WEEKLY WEATHER AND CROP BULLETIN



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

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



## HIGHLIGHTS

### April 15 - 21, 2012

Highlights provided by USDA/WAOB

Much-needed rain provided drought relief in several key agricultural regions, including the **upper Midwest** and the **lower Southeast**. In the latter region, weekly rainfall totals of 1 to 2 inches, with locally higher amounts, improved soil moisture for pastures, winter grains, and emerged summer crops. In the **upper Midwest**, rain boosted moisture reserves in preparation for the heart of the corn and soybean planting season. Across the remainder of the **Midwest**, mid-week freezes further threatened a variety of fruit crops, including grapes,

(Continued on page )

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# Water Supply Forecast for the Western United States

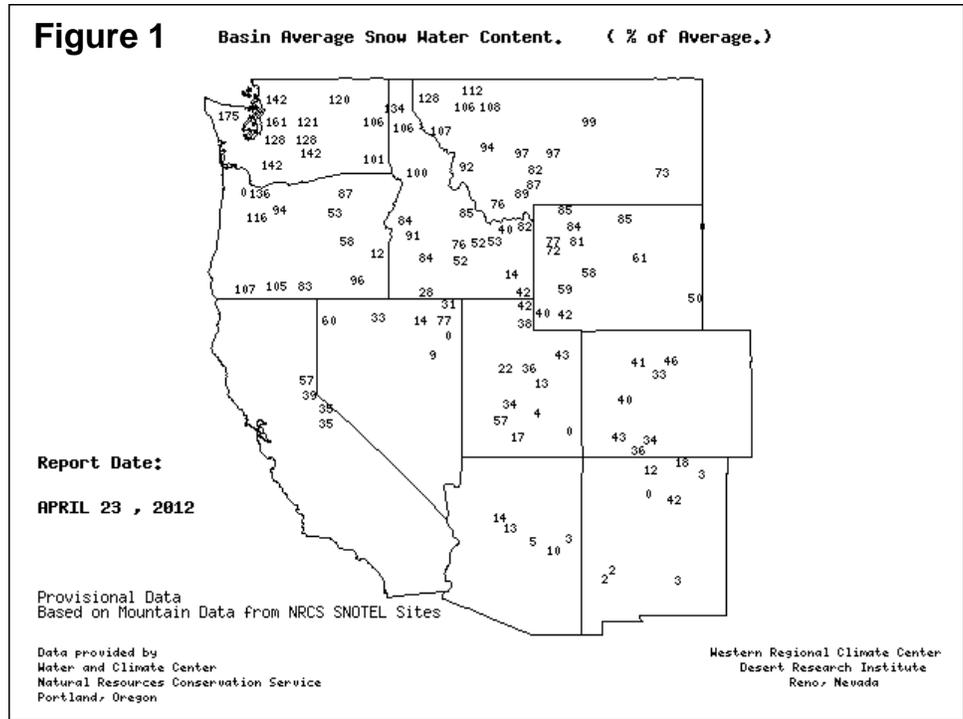
## Highlights

During March, a weakening La Niña contributed to abundant precipitation from the Pacific Northwest to the northern Rockies. At times, significant moisture spread as far south as the Sierra Nevada and the Great Basin. As a result, California's water-supply prospects improved slightly, although March storminess was insufficient to overcome early- to mid-season precipitation deficits. Farther east, record-setting March dryness affected Colorado, according to the National Climatic Data Center, while Wyoming experienced its second-driest March. Elsewhere, warm, dry weather persisted across the Southwest during March, following a promising start to the 2011-12 wet season late last year. The overall drought situation remained most dire in Arizona and New Mexico, where reservoir storage was already below average and both short- and long-term precipitation deficits existed.

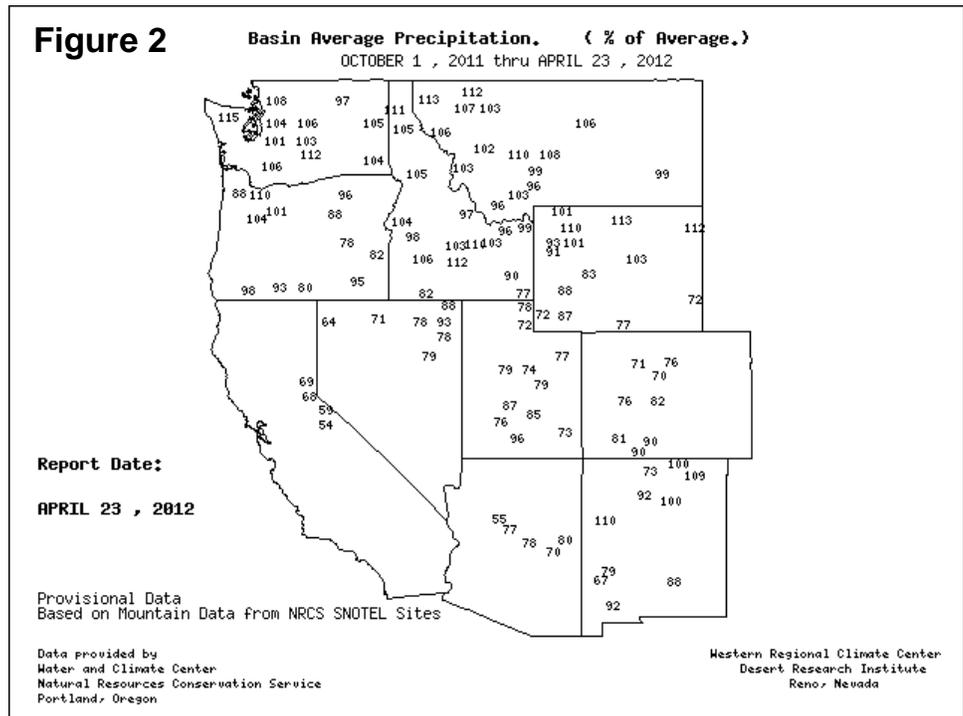
## Snowpack and Precipitation

By April 23, 2012, the snow water content map reflected below-average packs in the West, excluding the northern tier of the region (figure 1). The driest region with respect to the normal water equivalency of the snowpack was the Four Corners States, where March warmth melted much of the pre-existing snow. Basin-level snowpack values were less than 25 percent of average in Arizona, much of New Mexico, and parts of Utah and Nevada. Late-season values improved in the Sierra Nevada, but still generally ranged from one-third to one-half of normal. In contrast, basin-level

## SNOTEL – River Basin Snow Water Content



## SNOTEL – River Basin Precipitation



values were greater than 150 percent of average in parts of western Washington.

Season-to-date precipitation (October 1, 2011 - April 23, 2012) indicated that wetter-than-normal conditions were mostly confined to the northern one-third of the West. Basin-level values of just 50 to 70 percent of average were common across California's key watershed areas (figure 2), while season-to-date precipitation totals were mostly 70 to 90 percent of average in the Great Basin, southern Wyoming, and the majority of the Four Corners States.

### Spring and Summer Streamflow Forecasts

By April 1, projections for spring and summer runoff were not optimistic in most river basins stretching from California and the Great Basin into southern Wyoming and the Four Corners States. In fact, less than half of the normal streamflow can be expected in parts of the Sierra Nevada and many other basins across the southern half of the West (figure 3). In California and the Great Basin, even widespread March storminess failed to significantly improve runoff prospects. Farther south, runoff prospects deteriorated during March under a warm, dry regime. In contrast, spring and summer streamflow forecasts remained mostly favorable across the northern one-third of the West, with abundant runoff expected from the Cascades to the northern Rockies.

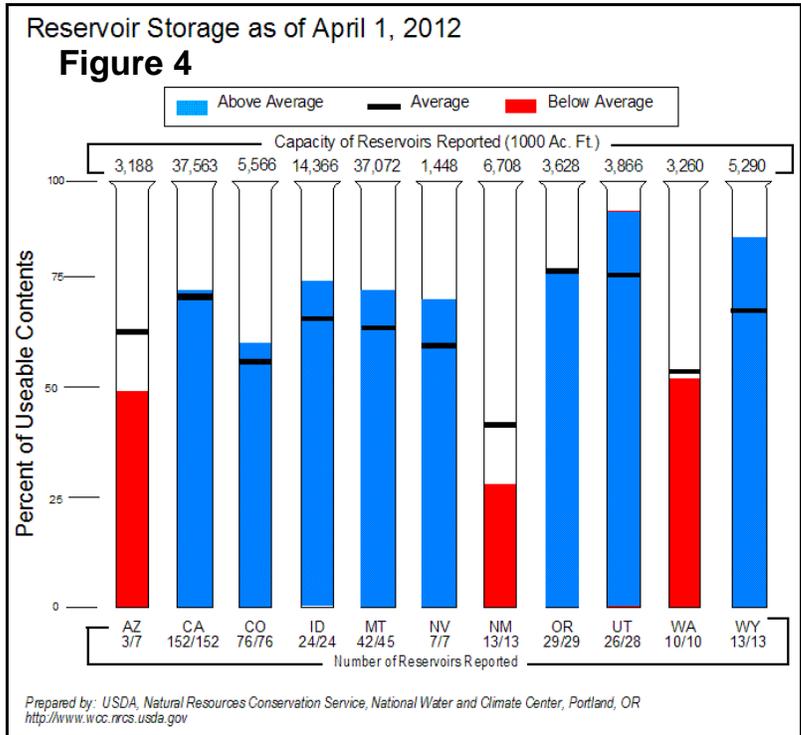
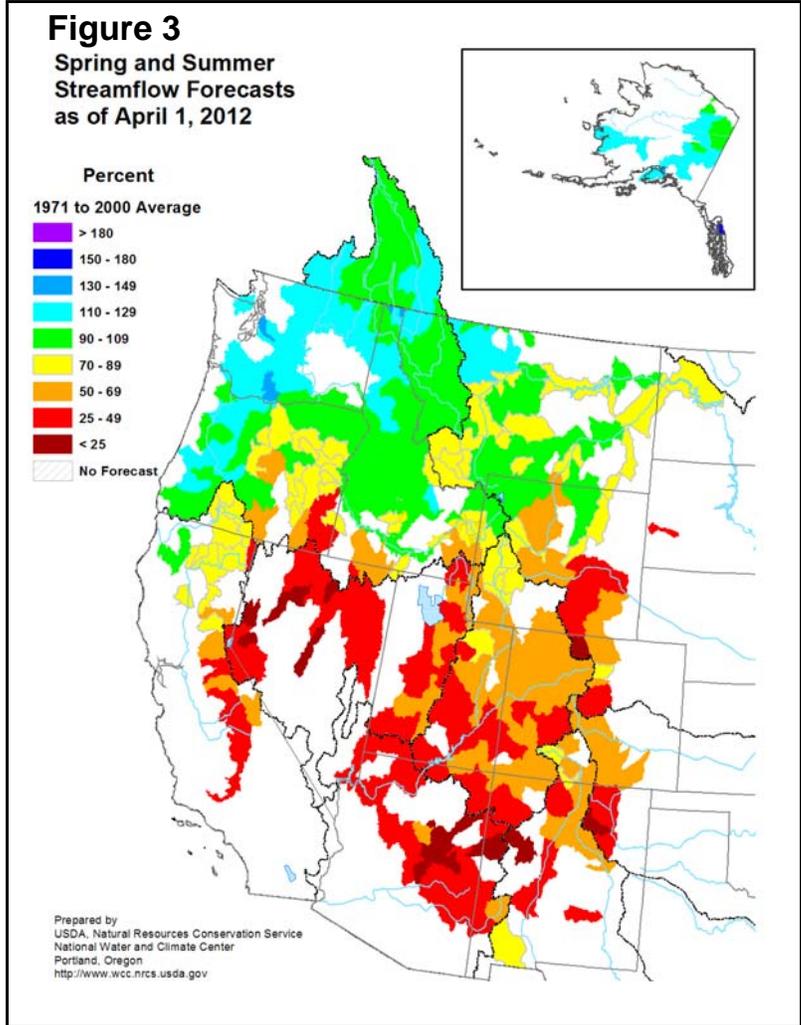
### Reservoir Storage

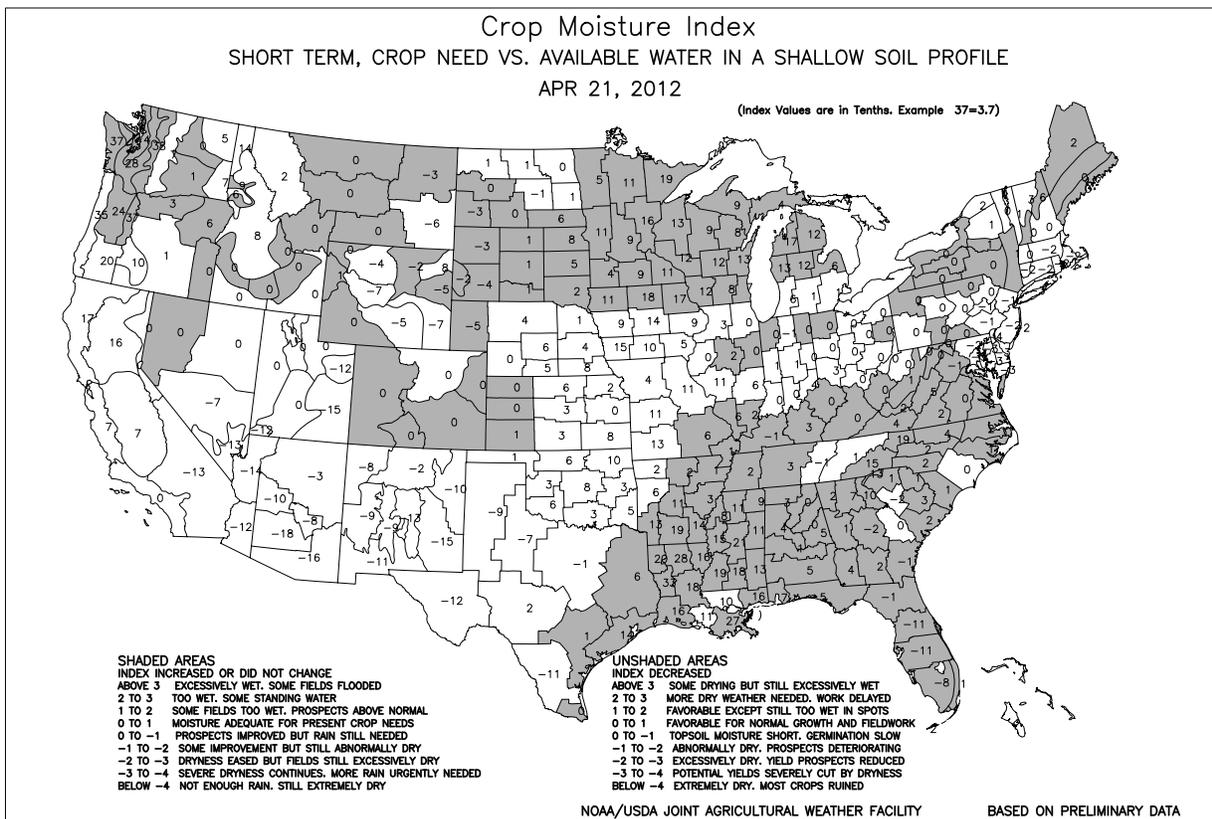
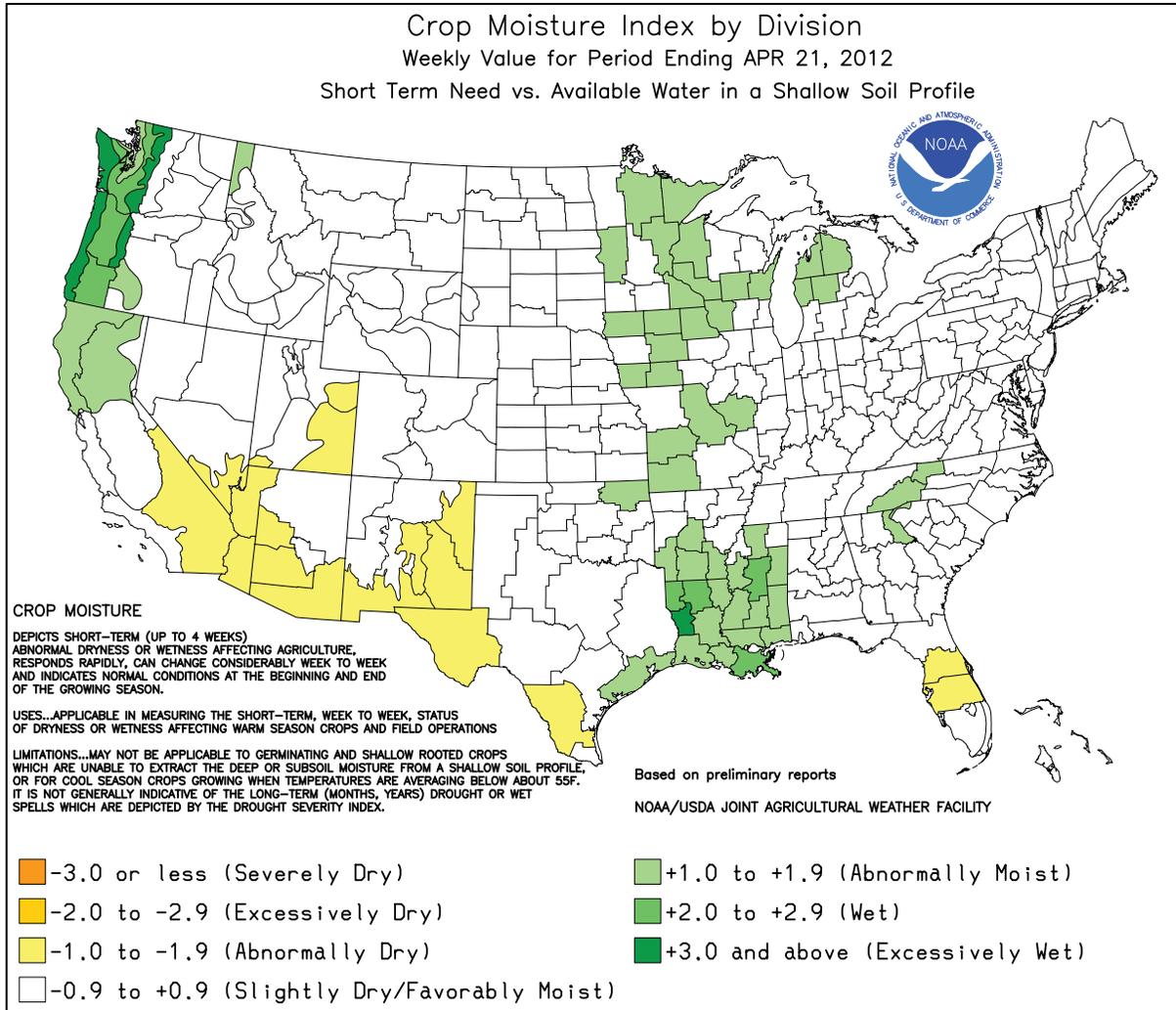
On April 1, reservoir storage as a percent of average for the date was near to above normal in all Western States except Arizona and New Mexico (figure 4). Those two states had a favorable start to Western wet season, but turned generally warm and mostly dry in January, February, and March. Many Western States, including California, Nevada, Utah, and Colorado, have a reservoir storage buffer against developing drought.

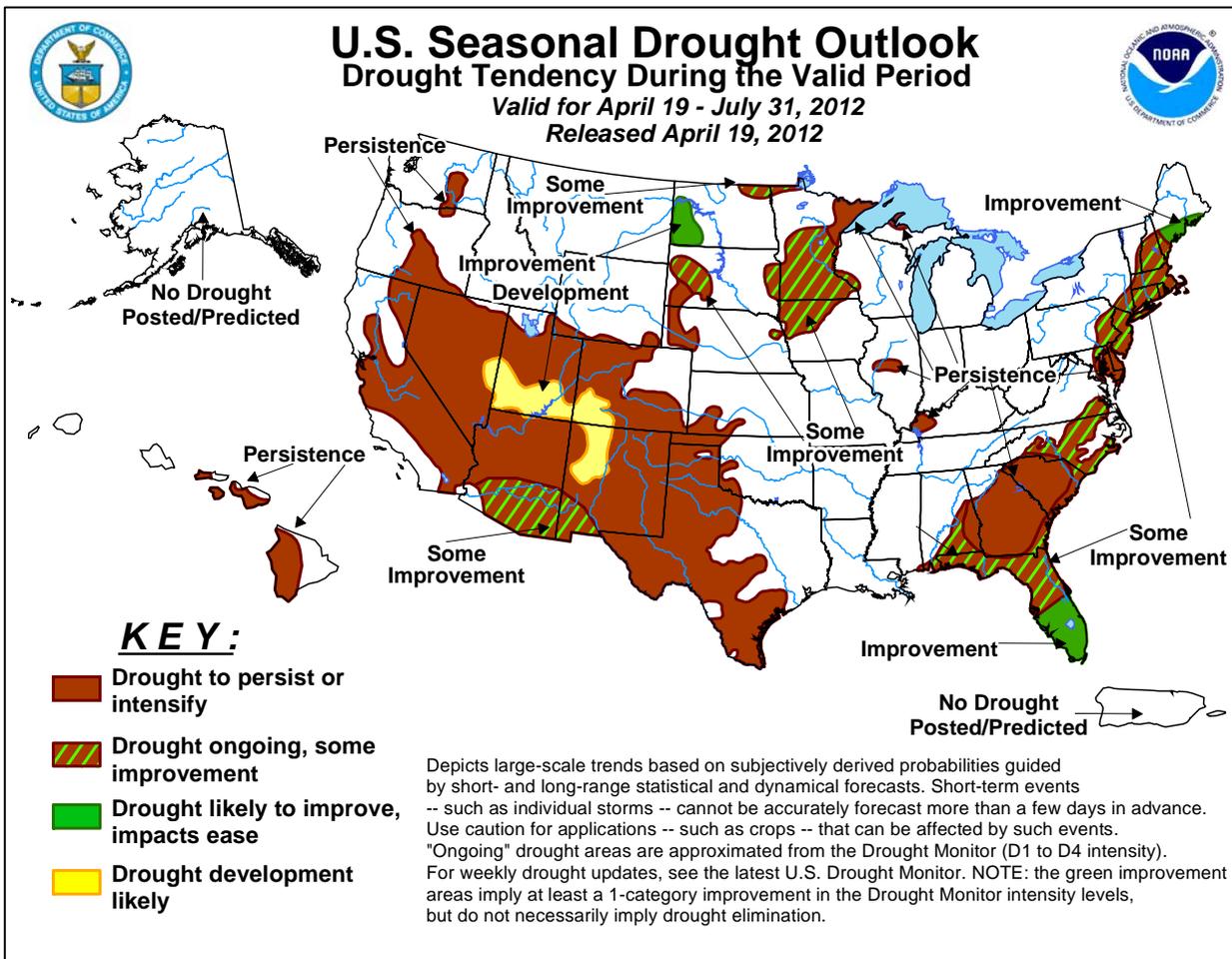
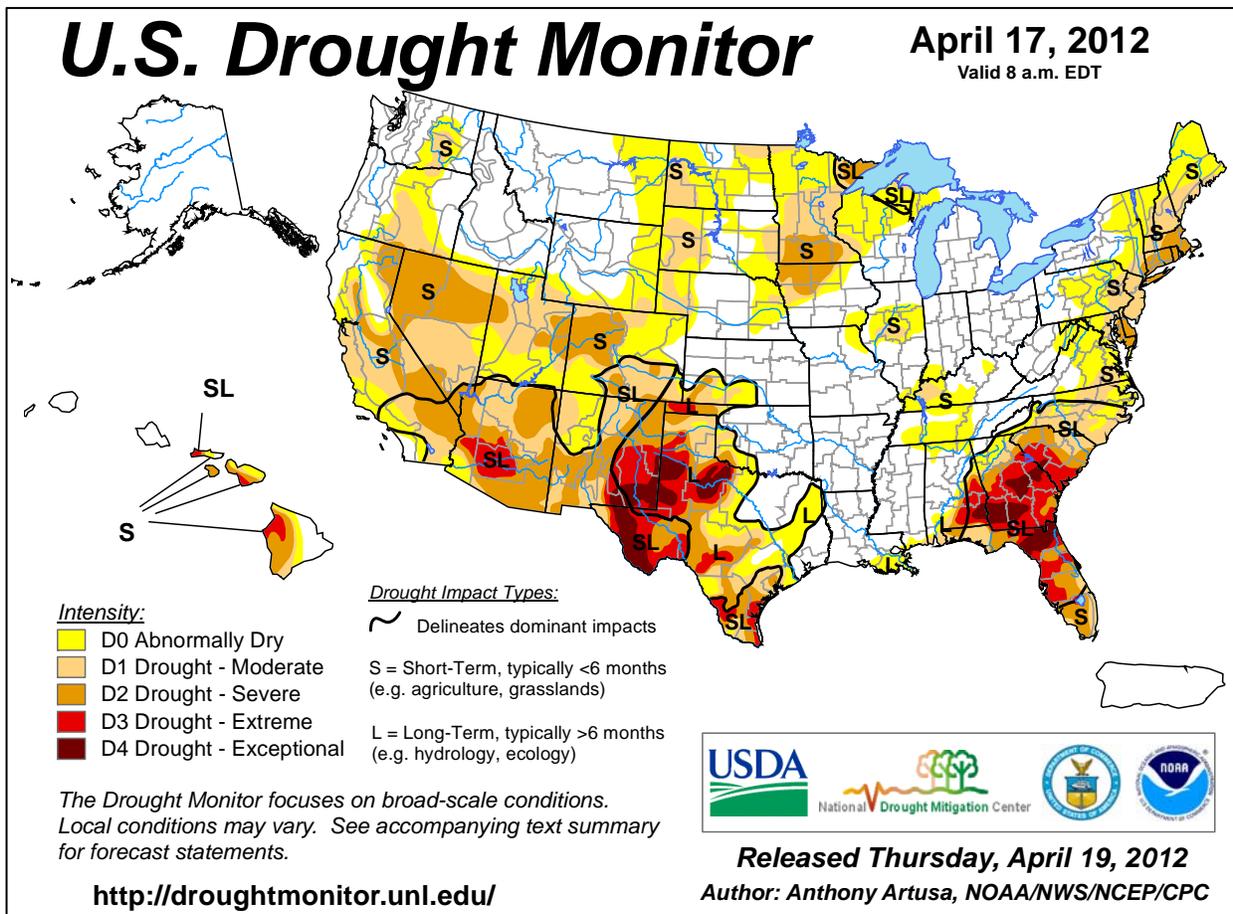
### For More Information

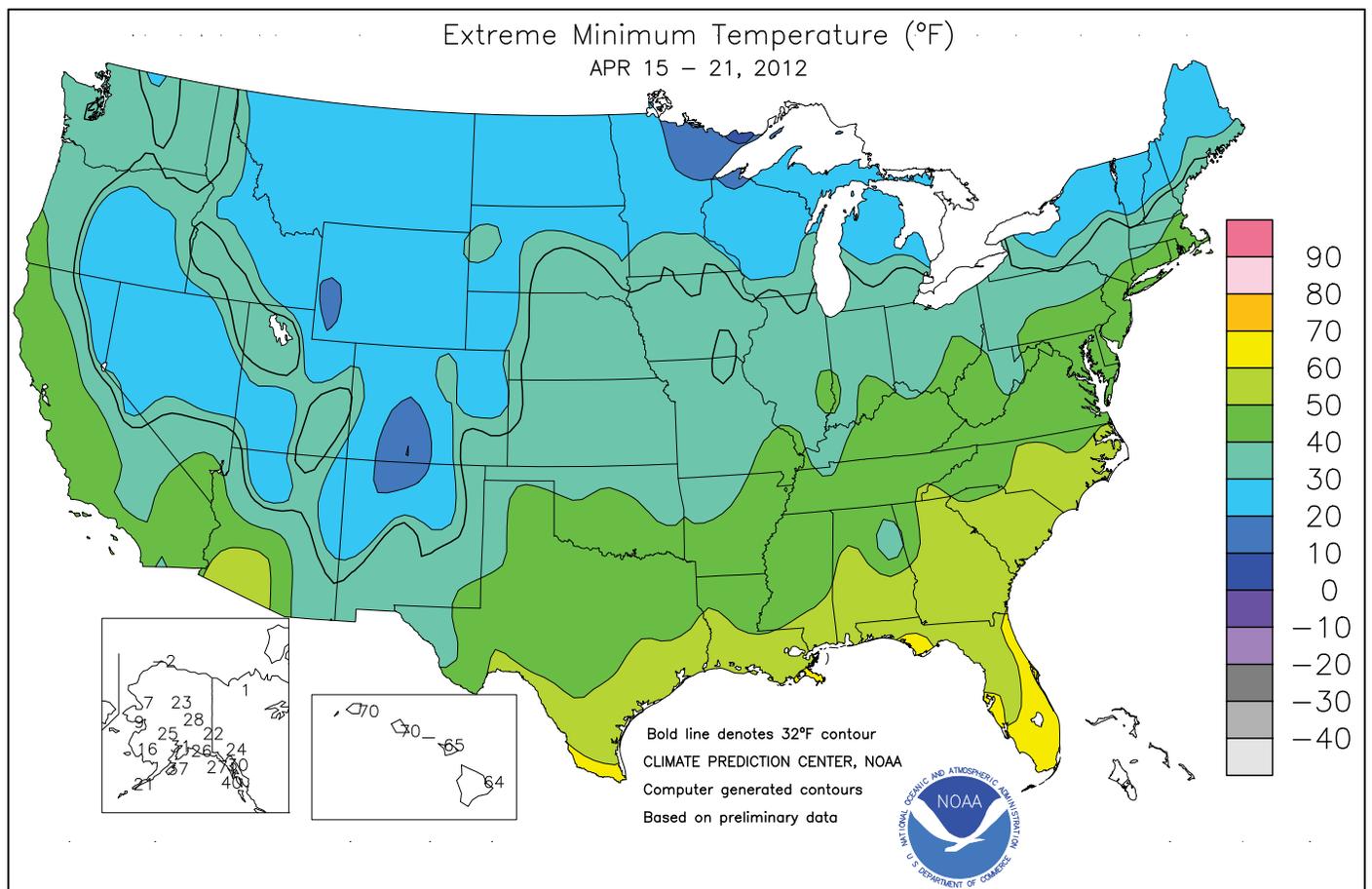
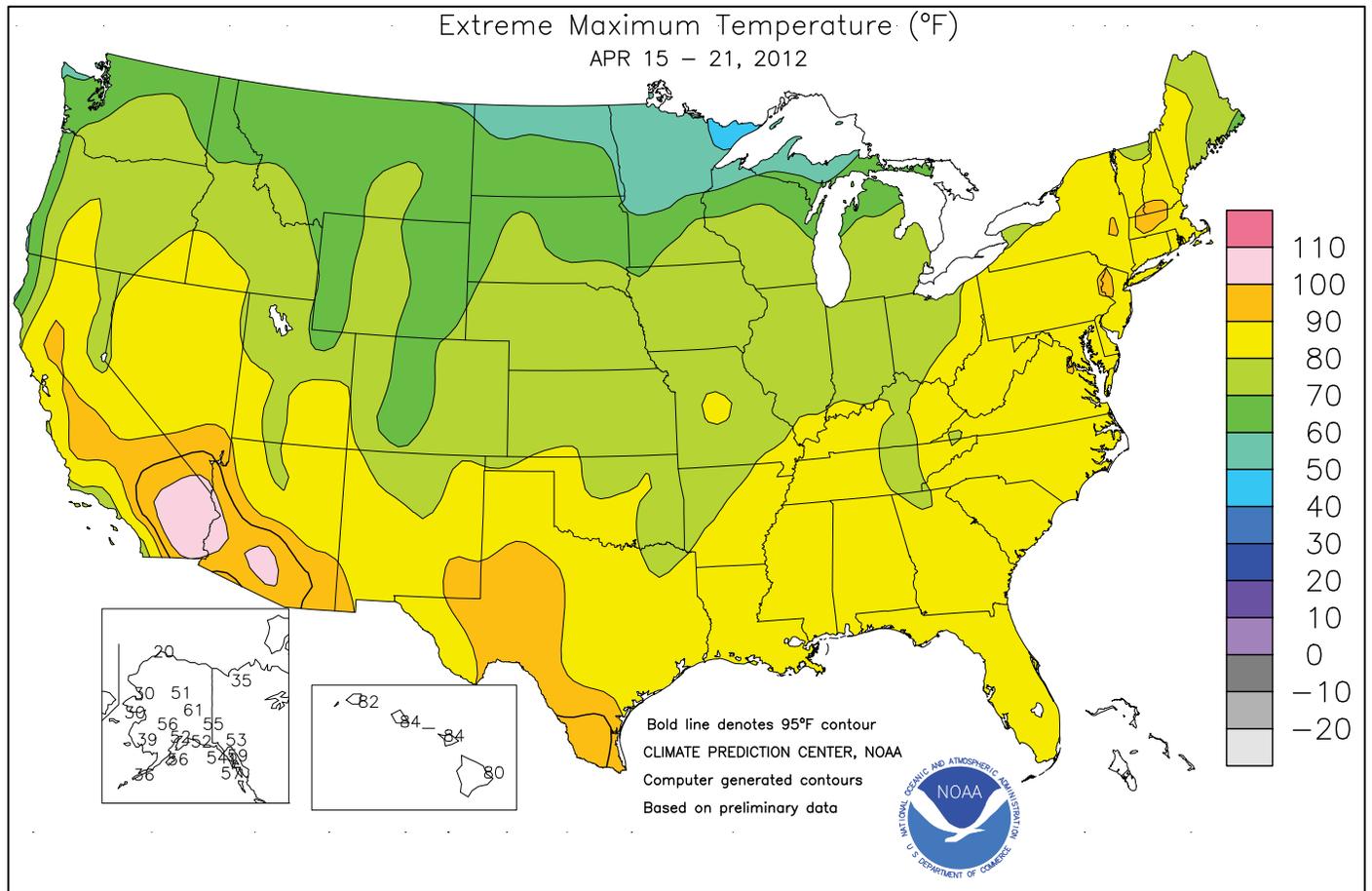
The National Water and Climate Center homepage provides the latest available snowpack and water supply information. Please visit:

<http://www.wcc.nrcs.usda.gov>







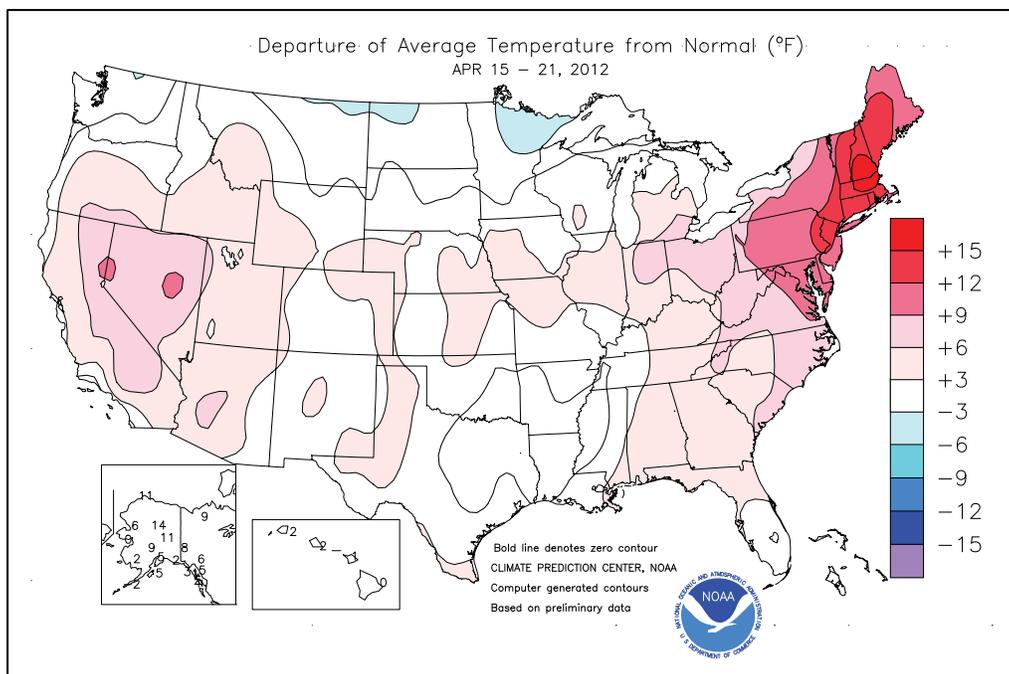


(Continued from front cover)

cherries, and apples. Mid-April freezes affected most locations in the **Great Lakes States from Minnesota to New York**, but largely spared the next tier of states from **Iowa to Pennsylvania**. Farther west, mostly dry weather prevailed on the **High Plains**, while rain benefited recently planted spring wheat in parts of the **Dakotas**. Although the majority of the hard red wheat crop continued to thrive, pockets of unfavorable dryness persisted on the **High Plains**. Elsewhere, warm weather returned to much of the **West**, although showery conditions lingered from the **Pacific Northwest to the northern Rockies**. In **California**, the return of warm, dry weather promoted a rapid pace of fieldwork and crop growth.

Early in the week, highly beneficial rainfall soaked the **upper Midwest**. Daily-record totals for April 15 included 2.87 inches in **Sisseton, SD**; 2.26 inches in **Rockford, IL**; and 1.51 inches in **St. Cloud, MN**. Later, heavy showers developed across parts of the **South**. In **Texas**, daily-record rainfall amounts for April 16 reached 2.16 inches in **Corpus Christi** and 1.76 inches in **McAllen**. On the same date in **Louisiana**, record-setting totals included 2.71 inches in **New Iberia** and 2.13 inches in **Alexandria**. Rain ended on Sunday in the **middle Mississippi Valley**, but April 13-15 totals in **Missouri** reached 4.37 inches in **Jefferson City** and 3.45 inches in **Columbia**. Meanwhile, snow gradually ended across the mountains of the **Southwest**, where **Flagstaff, AZ**, netted 10.0 inches on April 14-15. During the second half of the week, additional rain fell across the **upper Midwest**. **La Crosse, WI**, received a daily-record total (1.60 inches) on April 19, followed the next day by a record-setting amount (1.20 inches) in **Traverse City, MI**. Toward week's end, the focus for heavy precipitation shifted into the **South and East**. In **Florida**, daily-record totals included 1.99 inches (on April 21) in **Key West** and 1.49 inches (on April 20) in **Vero Beach**. Meanwhile, enough cool air arrived in the **North** to contribute to a daily-record snowfall (2.4 inches on April 21) in **International Falls, MN**.

Record-setting warmth covered parts of the **East** early in the week. In **Maine**, **Houlton** (72, 73, and 80°F) and **Caribou** (65, 76, and 76°F) opened the week with a trio of

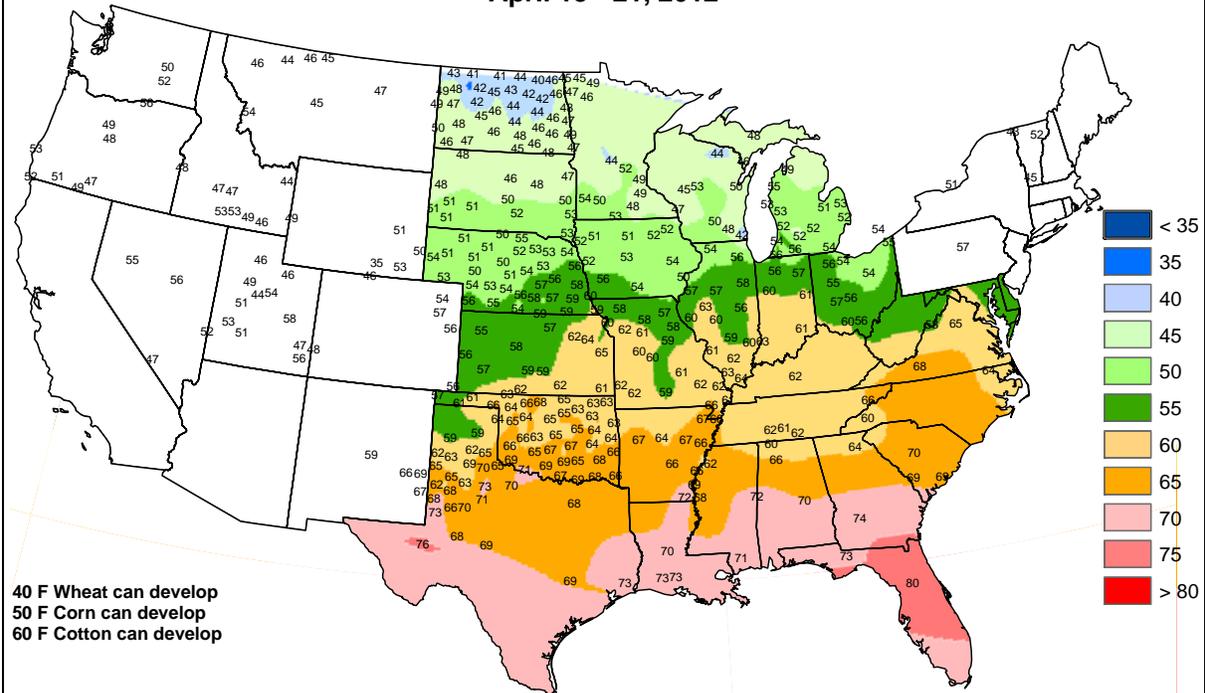


daily-record highs from April 15-17. Other record-setting highs for April 16 included 92°F in **Hartford, CT**; 91°F in **Albany, NY**; and 90°F in both **Concord, NH**, and **Reading, PA**. By April 18, however, a sudden turn toward colder weather in the **East** resulted in a daily-record low of 24°F in **Watertown, NY**. In **Michigan's fruit belt**, **Traverse City** reported 14 freezes (32°F or lower) during the first 21 days of the month, including readings of 24°F on April 6 and 7; 25°F on April 12; and 26°F on April 13 and 18. Meanwhile, heat began to build in the **Desert Southwest**. **Death Valley, CA**, reached 100°F for the first time this year on April 18, followed by its first 110-degree reading (a daily-record high) on April 21. Other **Western** records for April 21 reached 107°F in **Palm Springs, CA**; 103°F in **Phoenix, AZ**; and 88°F in **Reno, NV**. In fact, **Reno** set three consecutive daily-record highs (84, 88, and 90°F) from April 20-22.

Mild, dry weather prevailed across much of **Alaska's mainland**, while a few showers dotted the southern part of the state. Daily-record highs were set in locations such as **Fairbanks** (61°F on April 16), **Juneau** (57°F on April 16 and 59°F on April 18), and **McGrath** (54°F on April 15 and 56°F on both April 16 and 17). **Fairbanks'** snow depth, which began the month at 22 inches, melted to a trace by April 20. Farther south, warm, mostly dry weather covered the **Hawaiian islands**. At week's end, a few heavy showers developed in windward sections of the western islands, where **Kilohana, Kauai**, netted 2.93 inches in a 24-hour period on April 21-22. Nevertheless, April 1-21 rainfall totaled just 0.30 inch (18 percent of normal) in **Lihue, Kauai**, and 0.24 inch (20 percent) in **Kahului, Maui**.

### Average Soil Temperature (° F, 4" Bare)

April 15 - 21, 2012



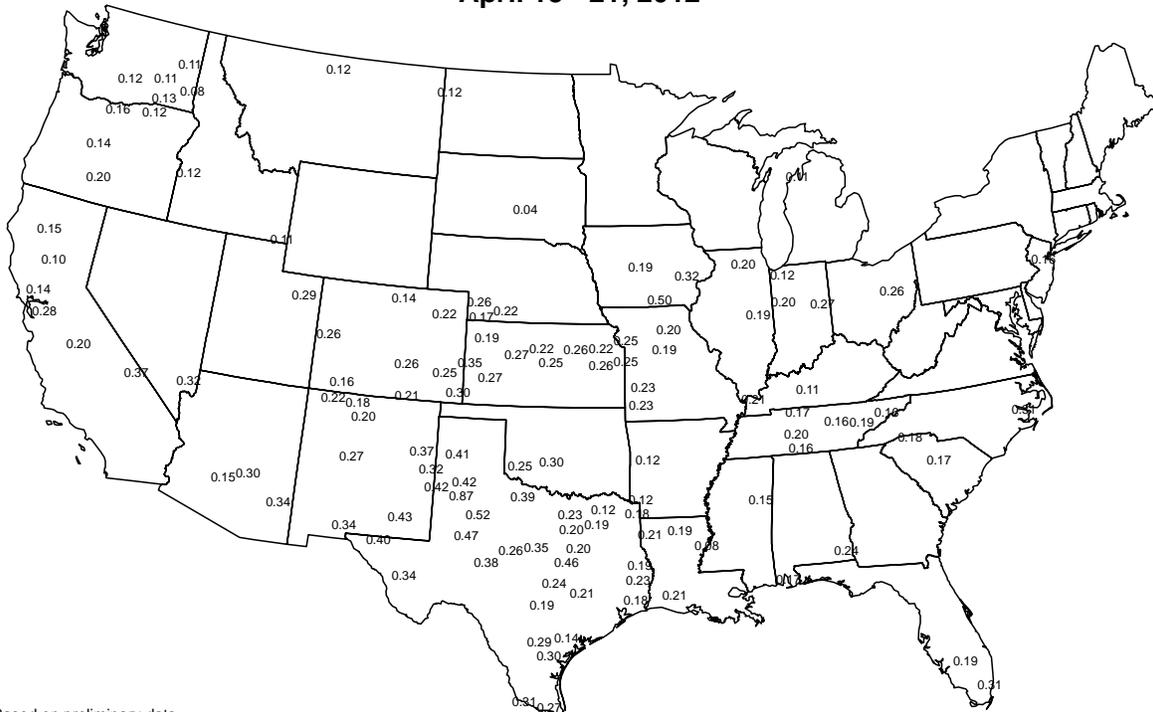
Based on preliminary data

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

Supplemental data provided by Alabama A&M University, Bureau of Reclamation - Pacific Northwest Region AgriMet Program, High Plains Regional Climate Center, Illinois State Water Survey, Iowa State University, Louisiana Agrilimatic Information System, Mississippi State University, Oklahoma Mesonet, Purdue University, University of Missouri and USDA/NRCS Soil Climate Analysis Network.

### Average Pan Evaporation (inches/day)

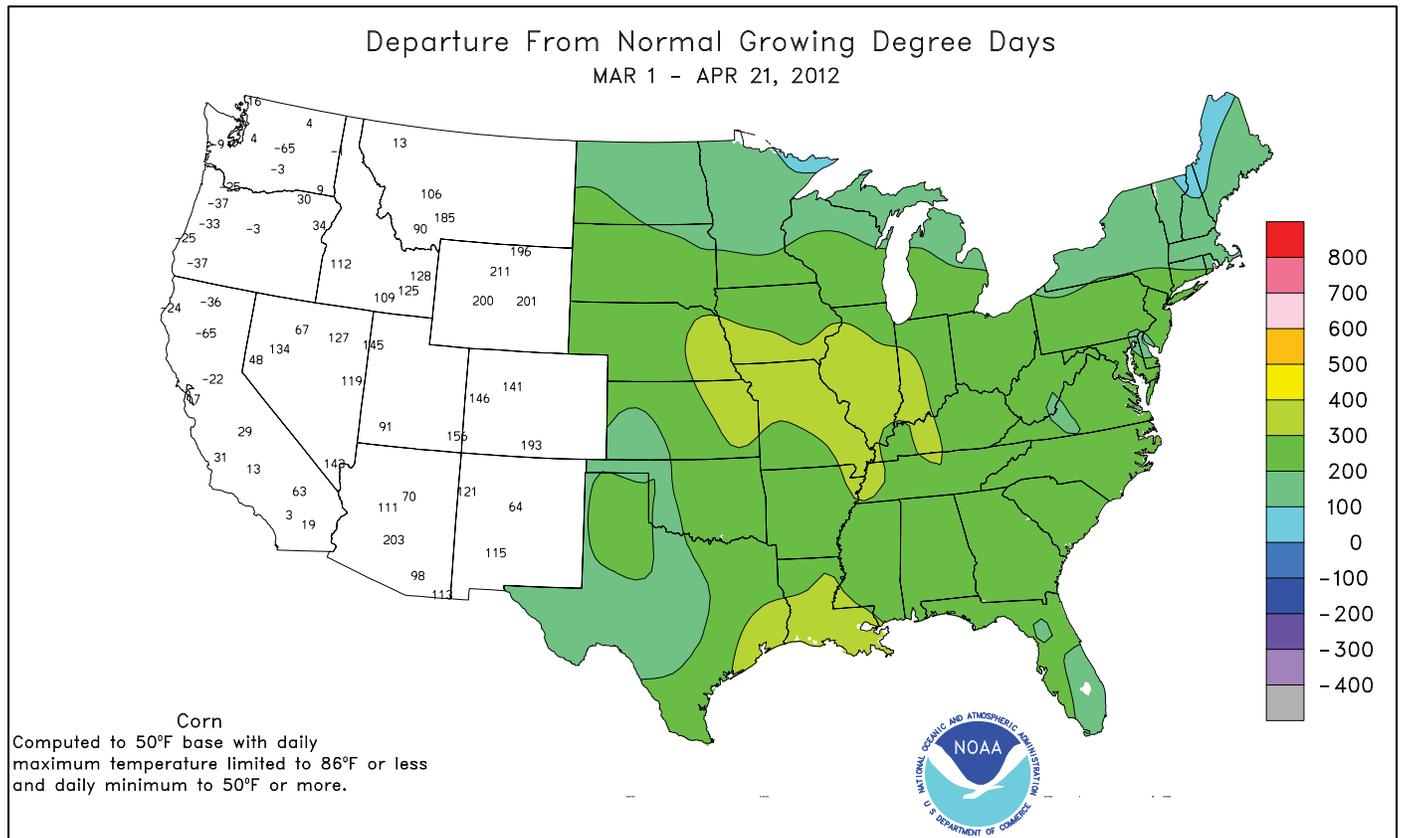
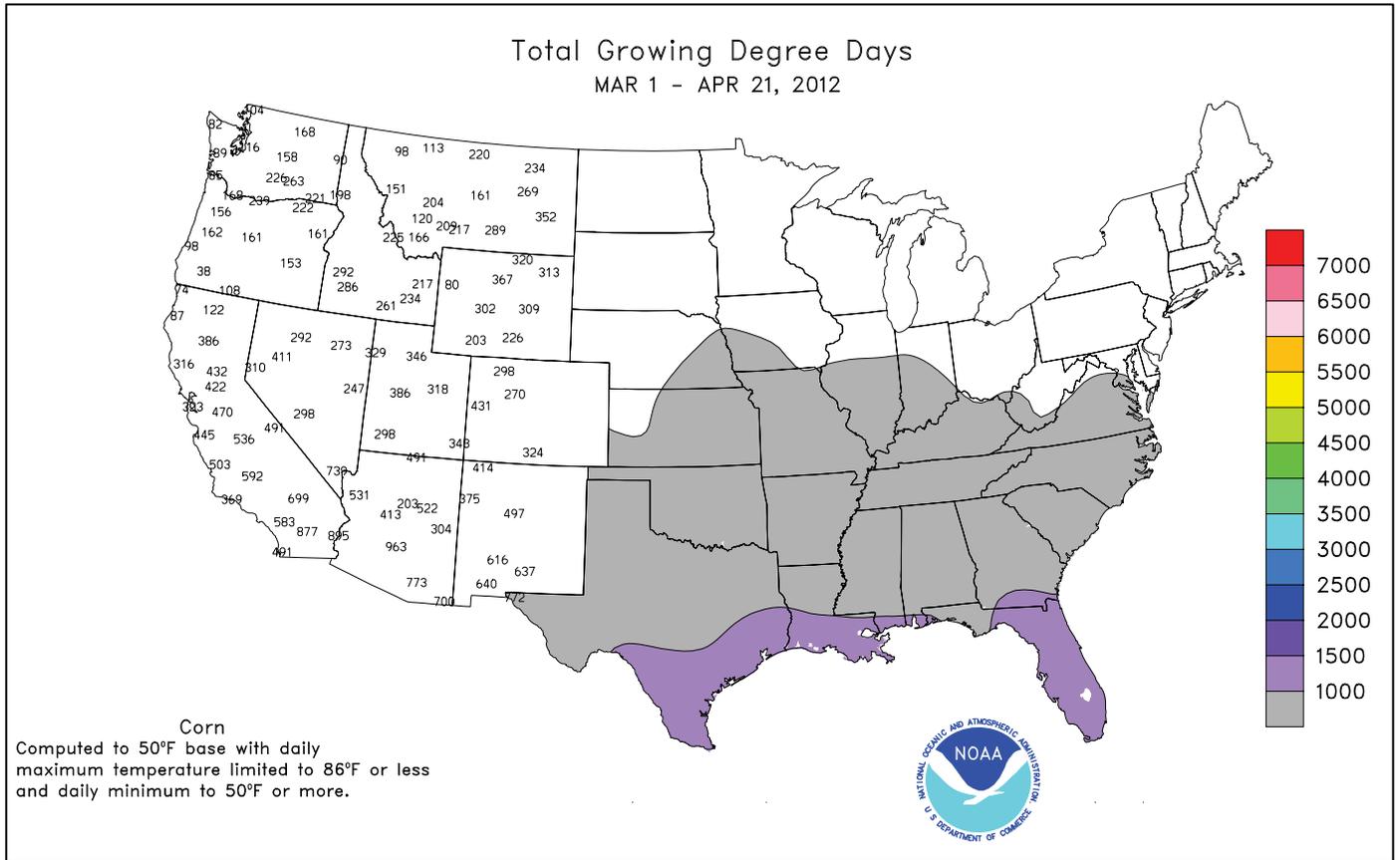
April 15 - 21, 2012

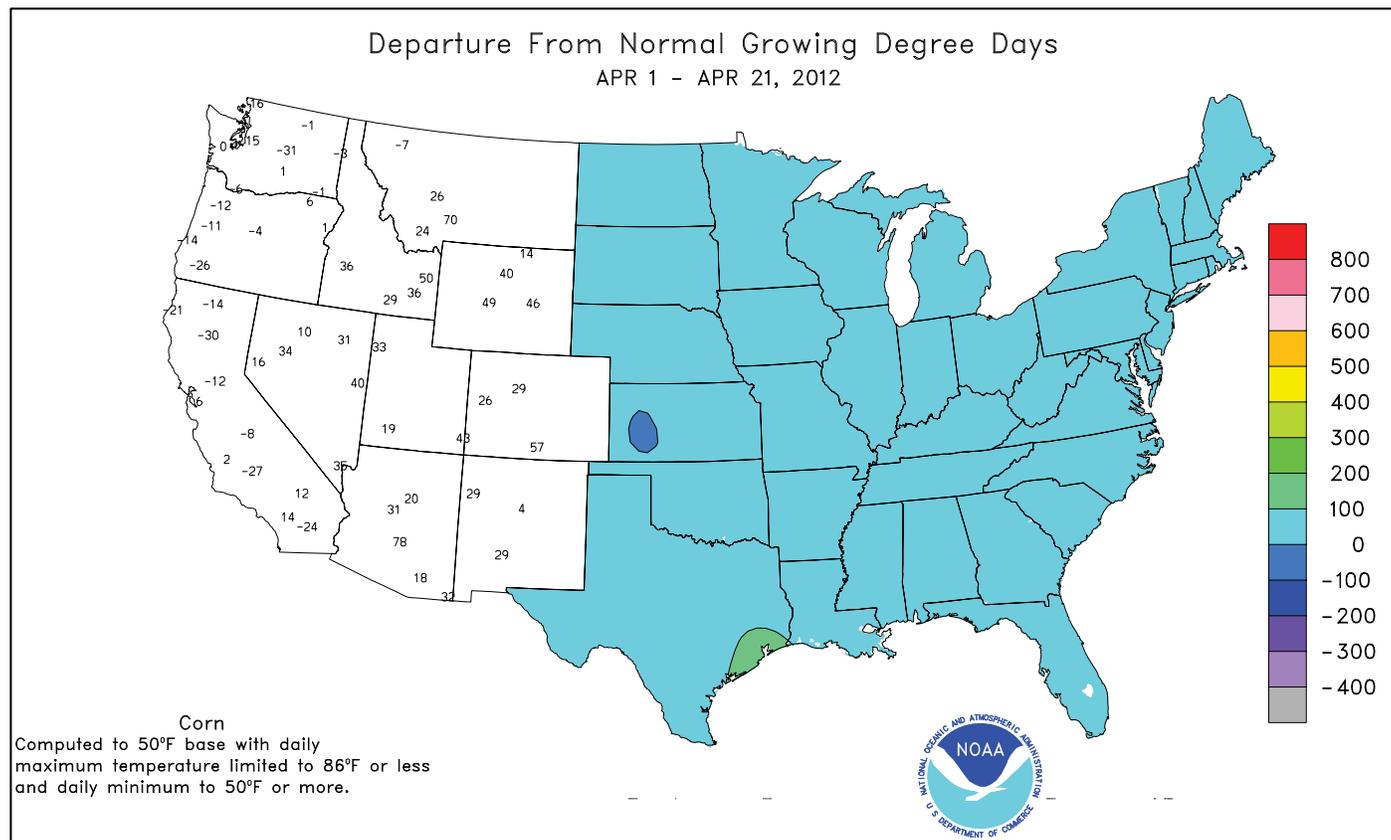
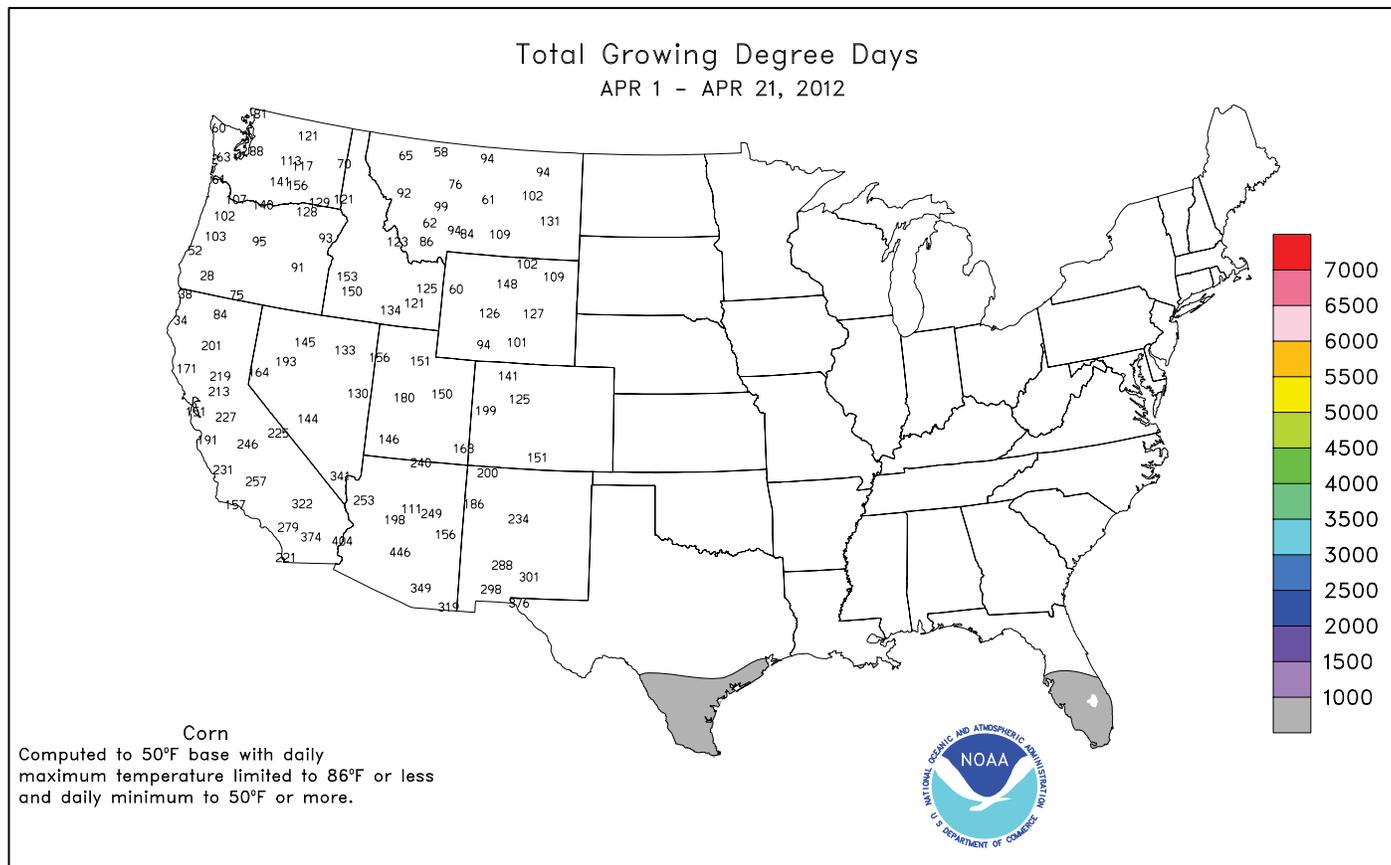


Based on preliminary data

USDA Agricultural Weather Assessments

Data obtained from the NWS Cooperative Observer Network.





National Weather Data for Selected Cities

Weather Data for the Week Ending April 21, 2012

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 MAR 1 | PCT. NORMAL SINCE MAR 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 |
| AL BIRMINGHAM       | 75              | 57              | 83           | 51          | 66      | 4                     | 0.86              | -0.16                 | 0.51                     | 5.97                    | 63                      | 14.83                   | 78                      | 95                        | 61              | 0              | 0            | 4                | 1                |
| HUNTSVILLE          | 76              | 56              | 84           | 50          | 66      | 5                     | 0.42              | -0.55                 | 0.29                     | 6.49                    | 65                      | 17.84                   | 88                      | 86                        | 59              | 0              | 0            | 3                | 0                |
| MOBILE              | 80              | 61              | 84           | 55          | 71      | 5                     | 1.30              | 0.22                  | 0.83                     | 9.20                    | 85                      | 18.69                   | 86                      | 91                        | 69              | 0              | 0            | 4                | 1                |
| AK MONTGOMERY       | 79              | 62              | 86           | 59          | 71      | 7                     | 0.85              | -0.11                 | 0.53                     | 5.21                    | 55                      | 13.24                   | 66                      | 93                        | 59              | 0              | 0            | 4                | 1                |
| ANCHORAGE           | 49              | 34              | 52           | 31          | 42      | 5                     | 0.00              | -0.11                 | 0.00                     | 1.16                    | 118                     | 4.25                    | 177                     | 75                        | 63              | 0              | 3            | 0                | 0                |
| BARROW              | 15              | 6               | 20           | -2          | 11      | 11                    | 0.02              | -0.01                 | 0.02                     | 0.19                    | 158                     | 0.60                    | 167                     | 94                        | 81              | 0              | 7            | 1                | 0                |
| FAIRBANKS           | 57              | 30              | 61           | 28          | 44      | 11                    | 0.00              | -0.03                 | 0.00                     | 0.74                    | 206                     | 1.85                    | 145                     | 78                        | 50              | 0              | 6            | 0                | 0                |
| JUNEAU              | 55              | 37              | 59           | 30          | 46      | 5                     | 0.28              | -0.39                 | 0.19                     | 3.12                    | 57                      | 12.65                   | 88                      | 86                        | 67              | 0              | 1            | 4                | 0                |
| KODIAK              | 45              | 38              | 56           | 37          | 42      | 5                     | 1.60              | 0.33                  | 0.42                     | 6.63                    | 74                      | 18.75                   | 82                      | 86                        | 77              | 0              | 0            | 5                | 0                |
| NOME                | 28              | 12              | 30           | 9           | 20      | 0                     | 0.00              | -0.14                 | 0.00                     | 0.65                    | 64                      | 1.92                    | 72                      | 96                        | 88              | 0              | 7            | 0                | 0                |
| AZ FLAGSTAFF        | 65              | 30              | 76           | 24          | 48      | 5                     | 0.03              | -0.23                 | 0.03                     | 2.47                    | 69                      | 3.88                    | 47                      | 80                        | 21              | 0              | 6            | 1                | 0                |
| PHOENIX             | 91              | 63              | 103          | 53          | 77      | 6                     | 0.00              | -0.03                 | 0.00                     | 0.30                    | 24                      | 0.30                    | 10                      | 30                        | 16              | 5              | 0            | 0                | 0                |
| PRESCOTT            | 75              | 41              | 86           | 33          | 58      | 8                     | 0.00              | -0.14                 | 0.00                     | 2.40                    | 99                      | 2.89                    | 49                      | 64                        | 16              | 0              | 0            | 0                | 0                |
| TUCSON              | 88              | 52              | 99           | 40          | 70      | 4                     | 0.00              | -0.04                 | 0.00                     | 0.46                    | 47                      | 0.68                    | 24                      | 44                        | 15              | 5              | 0            | 0                | 0                |
| AR FORT SMITH       | 75              | 49              | 83           | 43          | 62      | 0                     | 0.75              | -0.13                 | 0.44                     | 10.36                   | 159                     | 16.96                   | 148                     | 86                        | 43              | 0              | 0            | 2                | 0                |
| LITTLE ROCK         | 75              | 52              | 83           | 47          | 63      | 1                     | 2.03              | 0.76                  | 1.07                     | 10.81                   | 125                     | 17.40                   | 112                     | 91                        | 44              | 0              | 0            | 3                | 2                |
| CA BAKERSFIELD      | 80              | 54              | 94           | 48          | 67      | 4                     | 0.00              | -0.07                 | 0.00                     | 2.62                    | 147                     | 3.35                    | 80                      | 76                        | 48              | 1              | 0            | 0                | 0                |
| FRESNO              | 81              | 55              | 93           | 50          | 68      | 7                     | 0.00              | -0.13                 | 0.00                     | 4.30                    | 151                     | 6.43                    | 90                      | 78                        | 52              | 1              | 0            | 0                | 0                |
| LOS ANGELES         | 65              | 54              | 68           | 48          | 59      | -2                    | 0.00              | -0.10                 | 0.00                     | 2.85                    | 97                      | 4.16                    | 46                      | 87                        | 70              | 0              | 0            | 0                | 0                |
| REDDING             | 76              | 51              | 90           | 44          | 64      | 6                     | 0.00              | -0.48                 | 0.00                     | 9.11                    | 129                     | 16.35                   | 86                      | 86                        | 55              | 1              | 0            | 0                | 0                |
| SACRAMENTO          | 78              | 51              | 90           | 46          | 65      | 6                     | 0.00              | -0.19                 | 0.00                     | 5.91                    | 163                     | 9.26                    | 84                      | 89                        | 36              | 1              | 0            | 0                | 0                |
| SAN DIEGO           | 67              | 54              | 72           | 49          | 61      | -2                    | 0.00              | -0.12                 | 0.00                     | 1.44                    | 49                      | 3.03                    | 42                      | 87                        | 65              | 0              | 0            | 0                | 0                |
| SAN FRANCISCO       | 68              | 53              | 80           | 50          | 61      | 5                     | 0.00              | -0.22                 | 0.00                     | 7.19                    | 169                     | 10.01                   | 79                      | 83                        | 67              | 0              | 0            | 0                | 0                |
| STOCKTON            | 80              | 51              | 93           | 41          | 66      | 6                     | 0.00              | -0.18                 | 0.00                     | 3.86                    | 127                     | 5.94                    | 72                      | 83                        | 54              | 2              | 0            | 0                | 0                |
| CO ALAMOSA          | 64              | 22              | 76           | 13          | 43      | 2                     | 0.01              | -0.10                 | 0.01                     | 0.23                    | 29                      | 0.57                    | 46                      | 75                        | 28              | 0              | 6            | 1                | 0                |
| CO SPRINGS          | 63              | 36              | 74           | 33          | 50      | 4                     | 0.12              | -0.25                 | 0.09                     | 0.68                    | 33                      | 0.99                    | 37                      | 77                        | 24              | 0              | 0            | 2                | 0                |
| DENVER INTL         | 66              | 37              | 73           | 29          | 51      | 6                     | 0.07              | -0.14                 | 0.07                     | 0.90                    | 65                      | 2.06                    | 111                     | 76                        | 25              | 0              | 1            | 1                | 0                |
| GRAND JUNCTION      | 68              | 39              | 81           | 33          | 54      | 3                     | 0.16              | -0.01                 | 0.14                     | 0.49                    | 32                      | 1.29                    | 49                      | 74                        | 39              | 0              | 0            | 2                | 0                |
| PUEBLO              | 68              | 37              | 80           | 31          | 53      | 3                     | 0.25              | -0.03                 | 0.18                     | 0.91                    | 51                      | 1.54                    | 65                      | 83                        | 35              | 0              | 2            | 2                | 0                |
| CT BRIDGEPORT       | 70              | 52              | 81           | 47          | 61      | 12                    | 0.07              | -0.84                 | 0.05                     | 1.41                    | 20                      | 5.97                    | 44                      | 77                        | 53              | 0              | 0            | 3                | 0                |
| HARTFORD            | 77              | 50              | 92           | 43          | 64      | 15                    | 0.08              | -0.80                 | 0.08                     | 1.78                    | 27                      | 6.21                    | 47                      | 72                        | 52              | 1              | 0            | 1                | 0                |
| DC WASHINGTON       | 77              | 56              | 89           | 50          | 67      | 10                    | 0.21              | -0.38                 | 0.16                     | 1.39                    | 25                      | 5.91                    | 52                      | 77                        | 37              | 0              | 0            | 2                | 0                |
| DE WILMINGTON       | 75              | 52              | 86           | 47          | 63      | 10                    | 0.04              | -0.71                 | 0.03                     | 1.31                    | 21                      | 5.94                    | 47                      | 93                        | 42              | 0              | 0            | 2                | 0                |
| FL DAYTONA BEACH    | 83              | 62              | 85           | 58          | 72      | 3                     | 0.58              | 0.05                  | 0.58                     | 2.61                    | 45                      | 4.41                    | 38                      | 93                        | 48              | 0              | 0            | 1                | 1                |
| JACKSONVILLE        | 83              | 62              | 86           | 56          | 73      | 6                     | 1.14              | 0.45                  | 1.06                     | 3.44                    | 55                      | 4.67                    | 36                      | 95                        | 46              | 0              | 0            | 2                | 1                |
| KEY WEST            | 82              | 75              | 83           | 71          | 78      | 1                     | 1.99              | 1.52                  | 1.99                     | 3.43                    | 105                     | 9.43                    | 135                     | 76                        | 62              | 0              | 0            | 1                | 1                |
| MIAMI               | 82              | 71              | 85           | 69          | 77      | 1                     | 0.75              | -0.02                 | 0.70                     | 8.12                    | 168                     | 11.71                   | 133                     | 73                        | 55              | 0              | 0            | 2                | 1                |
| ORLANDO             | 85              | 62              | 88           | 58          | 73      | 2                     | 1.23              | 0.72                  | 1.07                     | 2.20                    | 41                      | 5.47                    | 54                      | 91                        | 69              | 0              | 0            | 3                | 1                |
| PENSACOLA           | 79              | 65              | 82           | 59          | 72      | 5                     | 1.54              | 0.73                  | 1.04                     | 5.93                    | 63                      | 14.17                   | 73                      | 87                        | 66              | 0              | 0            | 5                | 1                |
| TALLAHASSEE         | 83              | 59              | 87           | 57          | 71      | 5                     | 1.40              | 0.68                  | 0.88                     | 8.26                    | 90                      | 14.41                   | 75                      | 88                        | 65              | 0              | 0            | 2                | 2                |
| TAMPA               | 85              | 69              | 88           | 64          | 77      | 6                     | 1.87              | 1.50                  | 1.77                     | 3.09                    | 75                      | 6.06                    | 67                      | 82                        | 46              | 0              | 0            | 3                | 1                |
| GA WEST PALM BEACH  | 81              | 71              | 84           | 65          | 76      | 2                     | 1.81              | 1.03                  | 1.56                     | 6.00                    | 97                      | 10.20                   | 82                      | 77                        | 56              | 0              | 0            | 2                | 1                |
| ATHENS              | 76              | 56              | 84           | 53          | 66      | 5                     | 0.71              | -0.01                 | 0.58                     | 4.48                    | 61                      | 9.30                    | 56                      | 93                        | 72              | 0              | 0            | 2                | 1                |
| ATLANTA             | 74              | 58              | 81           | 56          | 66      | 4                     | 2.22              | 1.44                  | 1.69                     | 5.75                    | 72                      | 13.12                   | 74                      | 92                        | 65              | 0              | 0            | 2                | 2                |
| AUGUSTA             | 78              | 55              | 87           | 50          | 67      | 4                     | 0.14              | -0.49                 | 0.10                     | 3.68                    | 54                      | 6.20                    | 40                      | 97                        | 74              | 0              | 0            | 3                | 0                |
| COLUMBUS            | 78              | 61              | 84           | 59          | 70      | 6                     | 0.31              | -0.52                 | 0.12                     | 4.37                    | 51                      | 13.47                   | 76                      | 92                        | 52              | 0              | 0            | 4                | 0                |
| MACON               | 78              | 56              | 86           | 52          | 67      | 4                     | 0.67              | -0.01                 | 0.45                     | 2.87                    | 40                      | 8.59                    | 51                      | 98                        | 57              | 0              | 0            | 4                | 0                |
| SAVANNAH            | 81              | 63              | 85           | 58          | 72      | 7                     | 0.10              | -0.64                 | 0.08                     | 4.86                    | 80                      | 8.96                    | 69                      | 93                        | 61              | 0              | 0            | 2                | 0                |
| HI HILO             | 79              | 66              | 80           | 64          | 72      | 0                     | 0.97              | -1.89                 | 0.27                     | 20.10                   | 85                      | 35.69                   | 84                      | 87                        | 76              | 0              | 0            | 6                | 0                |
| HONOLULU            | 83              | 72              | 84           | 70          | 77      | 1                     | 0.00              | -0.24                 | 0.00                     | 5.73                    | 214                     | 7.42                    | 96                      | 66                        | 59              | 0              | 0            | 0                | 0                |
| KAHULUI             | 82              | 68              | 84           | 65          | 75      | 1                     | 0.01              | -0.38                 | 0.01                     | 2.89                    | 78                      | 2.97                    | 30                      | 70                        | 63              | 0              | 0            | 1                | 0                |
| LIHUE               | 81              | 72              | 82           | 70          | 76      | 2                     | 0.02              | -0.65                 | 0.02                     | 18.45                   | 326                     | 31.68                   | 234                     | 74                        | 68              | 0              | 0            | 1                | 0                |
| ID BOISE            | 67              | 46              | 82           | 38          | 56      | 5                     | 0.21              | -0.07                 | 0.11                     | 2.54                    | 112                     | 5.93                    | 124                     | 75                        | 46              | 0              | 0            | 4                | 0                |
| LEWISTON            | 63              | 44              | 76           | 39          | 53      | 2                     | 0.40              | 0.11                  | 0.20                     | 4.63                    | 236                     | 7.23                    | 179                     | 83                        | 61              | 0              | 0            | 3                | 0                |
| POCATELLO           | 63              | 38              | 78           | 24          | 51      | 5                     | 0.20              | -0.05                 | 0.09                     | 1.77                    | 83                      | 4.03                    | 94                      | 76                        | 43              | 0              | 1            | 3                | 0                |
| IL CHICAGO/O'HARE   | 62              | 44              | 77           | 36          | 53      | 5                     | 0.71              | -0.16                 | 0.67                     | 3.61                    | 69                      | 7.11                    | 83                      | 79                        | 56              | 0              | 0            | 4                | 1                |
| MOLINE              | 65              | 44              | 75           | 30          | 54      | 3                     | 1.01              | 0.13                  | 0.89                     | 2.83                    | 51                      | 5.48                    | 64                      | 88                        | 58              | 0              | 1            | 3                | 1                |
| PEORIA              | 67              | 45              | 76           | 34          | 56      | 4                     | 0.74              | -0.09                 | 0.74                     | 3.26                    | 63                      | 6.20                    | 74                      | 84                        | 47              | 0              | 0            | 1                | 1                |
| ROCKFORD            | 61              | 41              | 73           | 31          | 51      | 3                     | 2.70              | 1.85                  | 2.33                     | 5.46                    | 113                     | 8.00                    | 105                     | 85                        | 63              | 0              | 1            | 4                | 1                |
| SPRINGFIELD         | 70              | 47              | 79           | 37          | 58      | 5                     | 1.18              | 0.41                  | 1.00                     | 3.92                    | 72                      | 6.99                    | 79                      | 88                        | 42              | 0              | 0            | 2                | 1                |
| IN EVANSVILLE       | 72              | 47              | 80           | 39          | 59      | 3                     | 0.42              | -0.61                 | 0.33                     | 3.41                    | 47                      | 8.55                    | 64                      | 89                        | 56              | 0              | 0            | 2                | 0                |
| FORT WAYNE          | 70              | 44              | 81           | 36          | 57      | 8                     | 0.35              | -0.48                 | 0.25                     | 3.44                    | 65                      | 8.54                    | 92                      | 86                        | 42              | 0              | 0            | 2                | 0                |
| INDIANAPOLIS        | 69              | 47              | 78           | 41          | 58      | 6                     | 0.60              | -0.22                 | 0.44                     | 6.64                    | 113                     | 11.50                   | 107                     | 86                        | 48              | 0              | 0            | 2                | 0                |
| SOUTH BEND          | 67              | 42              | 78           | 34          | 54      | 5                     | 0.79              | -0.06                 | 0.31                     | 2.58                    | 48                      | 7.85                    | 81                      | 79                        | 49              | 0              | 0            | 4                | 0                |
| IA BURLINGTON       | 67              | 46              | 75           | 32          | 56      | 3                     | 0.69              | -0.14                 | 0.59                     | 2.49                    | 47                      | 4.16                    | 51                      | 94                        | 49              | 0              | 1            | 4                | 1                |
| CEDAR RAPIDS        | 62              | 42              | 73           | 31          | 52      | 2                     | 0.99              | 0.25                  | 0.84                     | 4.87                    | 111                     | 6.42                    | 98                      | 93                        | 53              | 0              | 1            | 3                | 1                |
| DES MOINES          | 66              | 45              | 76           | 35          | 55      | 4                     | 0.87              | 0.02                  | 0.41                     | 6.92                    | 151                     | 9.11                    | 134                     | 81                        | 58              | 0              | 0            | 5                | 0                |

Weather Data for the Week Ending April 21, 2012

| STATES AND STATIONS | TEMPERATURE °F  |                 |              |             |         |                       | PRECIPITATION    |                       |                          |                       |                         |                       |                         |                 | RELATIVE HUMIDITY PERCENT |              | NUMBER OF DAYS |                  |                  |  |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|------------------|-----------------------|--------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------|---------------------------|--------------|----------------|------------------|------------------|--|
|                     | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN. SINCE MAR 1 | PCT. NORMAL SINCE MAR 1 | TOTAL IN. SINCE JAN01 | PCT. NORMAL SINCE JAN01 | AVERAGE MAXIMUM | AVERAGE MINIMUM           | TEMP. °F     |                | PRECIP           |                  |  |
|                     |                 |                 |              |             |         |                       |                  |                       |                          |                       |                         |                       |                         |                 |                           | 90 AND ABOVE | 32 AND BELOW   | .01 INCH OR MORE | .50 INCH OR MORE |  |
| WICHITA             | 71              | 48              | 76           | 39          | 59      | 3                     | 0.38             | -0.18                 | 0.38                     | 5.95                  | 135                     | 9.58                  | 153                     | 81              | 51                        | 0            | 0              | 1                | 0                |  |
| KY JACKSON          | 70              | 52              | 83           | 45          | 61      | 4                     | 0.41             | -0.44                 | 0.27                     | 5.41                  | 78                      | 14.17                 | 100                     | 84              | 47                        | 0            | 0              | 4                | 0                |  |
| LEXINGTON           | 70              | 49              | 80           | 41          | 59      | 4                     | 0.72             | -0.09                 | 0.66                     | 5.23                  | 76                      | 11.86                 | 88                      | 88              | 64                        | 0            | 0              | 3                | 1                |  |
| LOUISVILLE          | 71              | 51              | 82           | 46          | 61      | 4                     | 0.49             | -0.38                 | 0.18                     | 8.43                  | 120                     | 14.26                 | 105                     | 83              | 43                        | 0            | 0              | 3                | 0                |  |
| PADUCAH             | 71              | 46              | 81           | 37          | 58      | 1                     | 0.33             | -0.84                 | 0.24                     | 4.35                  | 57                      | 10.09                 | 67                      | 94              | 46                        | 0            | 0              | 3                | 0                |  |
| LA BATON ROUGE      | 79              | 58              | 85           | 52          | 68      | 1                     | 0.36             | -0.94                 | 0.17                     | 8.39                  | 94                      | 21.70                 | 107                     | 95              | 52                        | 0            | 0              | 3                | 0                |  |
| LAKE CHARLES        | 77              | 59              | 83           | 53          | 68      | 1                     | 1.74             | 0.93                  | 0.80                     | 10.31                 | 175                     | 27.12                 | 185                     | 94              | 58                        | 0            | 0              | 3                | 2                |  |
| NEW ORLEANS         | 81              | 63              | 87           | 57          | 72      | 4                     | 1.96             | 0.80                  | 1.01                     | 15.54                 | 175                     | 22.06                 | 109                     | 82              | 58                        | 0            | 0              | 3                | 2                |  |
| SHREVEPORT          | 76              | 54              | 84           | 50          | 65      | 0                     | 1.46             | 0.44                  | 0.93                     | 11.36                 | 159                     | 18.11                 | 114                     | 94              | 53                        | 0            | 0              | 3                | 1                |  |
| ME CARIBOU          | 64              | 36              | 76           | 29          | 50      | 11                    | 0.34             | -0.26                 | 0.24                     | 2.72                  | 63                      | 8.68                  | 93                      | 80              | 39                        | 0            | 2              | 2                | 0                |  |
| PORTLAND            | 68              | 43              | 83           | 34          | 55      | 11                    | 0.00             | -0.98                 | 0.00                     | 2.21                  | 31                      | 7.97                  | 55                      | 87              | 47                        | 0            | 0              | 0                | 0                |  |
| MD BALTIMORE        | 77              | 52              | 90           | 44          | 65      | 11                    | 0.21             | -0.44                 | 0.16                     | 2.03                  | 34                      | 6.99                  | 56                      | 82              | 49                        | 1            | 0              | 2                | 0                |  |
| MA BOSTON           | 76              | 53              | 87           | 47          | 64      | 15                    | 0.01             | -0.81                 | 0.01                     | 1.78                  | 28                      | 5.45                  | 40                      | 78              | 36                        | 0            | 0              | 1                | 0                |  |
| WORCESTER           | 74              | 49              | 88           | 42          | 62      | 17                    | 0.02             | -0.86                 | 0.02                     | 2.04                  | 29                      | 6.49                  | 46                      | 81              | 29                        | 0            | 0              | 1                | 0                |  |
| MI ALPENA           | 55              | 32              | 70           | 21          | 43      | 2                     | 1.27             | 0.75                  | 0.74                     | 3.28                  | 89                      | 6.76                  | 99                      | 91              | 53                        | 0            | 5              | 4                | 1                |  |
| GRAND RAPIDS        | 62              | 41              | 74           | 32          | 51      | 4                     | 1.60             | 0.78                  | 1.14                     | 5.44                  | 109                     | 10.64                 | 124                     | 87              | 55                        | 0            | 1              | 4                | 1                |  |
| HOUGHTON LAKE       | 57              | 35              | 69           | 28          | 46      | 4                     | 1.72             | 1.20                  | 0.58                     | 4.82                  | 132                     | 9.44                  | 145                     | 88              | 60                        | 0            | 4              | 5                | 2                |  |
| LANSING             | 63              | 39              | 74           | 32          | 51      | 5                     | 1.61             | 0.88                  | 1.01                     | 4.57                  | 101                     | 8.18                  | 108                     | 88              | 61                        | 0            | 1              | 4                | 1                |  |
| MUSKOGON            | 61              | 41              | 72           | 33          | 51      | 6                     | 1.43             | 0.77                  | 1.03                     | 5.44                  | 125                     | 10.41                 | 128                     | 83              | 58                        | 0            | 0              | 3                | 1                |  |
| TRVERSE CITY        | 54              | 35              | 72           | 26          | 45      | 2                     | 2.36             | 1.71                  | 1.15                     | 6.20                  | 158                     | 8.96                  | 103                     | 92              | 54                        | 0            | 3              | 5                | 3                |  |
| MN DULUTH           | 46              | 30              | 53           | 21          | 38      | -2                    | 1.81             | 1.34                  | 1.16                     | 4.17                  | 135                     | 5.95                  | 118                     | 86              | 67                        | 0            | 4              | 4                | 1                |  |
| INT'L FALLS         | 45              | 24              | 51           | 18          | 35      | -5                    | 1.21             | 0.91                  | 0.55                     | 4.38                  | 238                     | 5.92                  | 178                     | 91              | 53                        | 0            | 6              | 4                | 1                |  |
| MINNEAPOLIS         | 57              | 39              | 75           | 33          | 48      | 1                     | 1.96             | 1.44                  | 1.18                     | 4.07                  | 119                     | 6.14                  | 117                     | 84              | 60                        | 0            | 0              | 6                | 1                |  |
| ROCHESTER           | 59              | 39              | 76           | 31          | 49      | 3                     | 1.59             | 0.89                  | 0.94                     | 3.22                  | 83                      | 5.42                  | 97                      | 95              | 65                        | 0            | 1              | 4                | 1                |  |
| ST. CLOUD           | 54              | 36              | 60           | 26          | 45      | 1                     | 2.33             | 1.85                  | 1.50                     | 3.65                  | 123                     | 5.46                  | 126                     | 88              | 53                        | 0            | 3              | 5                | 1                |  |
| MS JACKSON          | 75              | 55              | 85           | 48          | 65      | 2                     | 2.43             | 1.04                  | 2.33                     | 11.60                 | 117                     | 23.90                 | 119                     | 92              | 58                        | 0            | 0              | 2                | 1                |  |
| MERIDIAN            | 77              | 55              | 86           | 48          | 66      | 2                     | 0.86             | -0.40                 | 0.80                     | 10.22                 | 93                      | 22.55                 | 101                     | 95              | 73                        | 0            | 0              | 2                | 1                |  |
| TUPELO              | 72              | 53              | 84           | 44          | 63      | 2                     | 1.55             | 0.45                  | 0.95                     | 9.47                  | 97                      | 18.83                 | 96                      | 89              | 73                        | 0            | 0              | 3                | 2                |  |
| MO COLUMBIA         | 69              | 47              | 79           | 37          | 58      | 3                     | 0.54             | -0.43                 | 0.48                     | 8.59                  | 145                     | 12.00                 | 122                     | 85              | 44                        | 0            | 0              | 6                | 0                |  |
| KANSAS CITY         | 71              | 46              | 78           | 35          | 58      | 3                     | 0.21             | -0.57                 | 0.21                     | 5.18                  | 116                     | 8.37                  | 121                     | 80              | 40                        | 0            | 0              | 1                | 0                |  |
| SAINT LOUIS         | 71              | 50              | 79           | 41          | 60      | 3                     | 1.02             | 0.18                  | 0.92                     | 8.52                  | 140                     | 12.86                 | 122                     | 79              | 48                        | 0            | 0              | 2                | 1                |  |
| SPRINGFIELD         | 69              | 44              | 78           | 32          | 56      | 0                     | 1.43             | 0.44                  | 1.27                     | 6.40                  | 94                      | 9.71                  | 87                      | 86              | 52                        | 0            | 1              | 2                | 1                |  |
| MT BILLINGS         | 59              | 37              | 73           | 32          | 48      | 1                     | 0.18             | -0.22                 | 0.11                     | 1.08                  | 50                      | 1.93                  | 54                      | 83              | 38                        | 0            | 2              | 2                | 0                |  |
| BUTTE               | 55              | 32              | 67           | 22          | 44      | 5                     | 0.13             | -0.09                 | 0.11                     | 1.70                  | 119                     | 1.97                  | 81                      | 83              | 27                        | 0            | 3              | 3                | 0                |  |
| CUT BANK            | 54              | 31              | 62           | 25          | 43      | 1                     | 0.00             | -0.19                 | 0.00                     | 0.47                  | 45                      | 0.99                  | 58                      | 83              | 35                        | 0            | 4              | 0                | 0                |  |
| GLASGOW             | 57              | 33              | 65           | 30          | 45      | 0                     | 0.17             | 0.01                  | 0.14                     | 0.74                  | 85                      | 1.63                  | 110                     | 83              | 58                        | 0            | 3              | 3                | 0                |  |
| GREAT FALLS         | 57              | 36              | 69           | 28          | 46      | 3                     | 0.43             | 0.12                  | 0.23                     | 2.85                  | 161                     | 3.46                  | 117                     | 78              | 38                        | 0            | 2              | 3                | 0                |  |
| HAVRE               | 57              | 30              | 72           | 19          | 43      | -2                    | 0.06             | -0.12                 | 0.04                     | 2.40                  | 203                     | 2.95                  | 147                     | 88              | 60                        | 0            | 5              | 3                | 0                |  |
| MISSOULA            | 59              | 39              | 70           | 28          | 49      | 4                     | 0.14             | -0.10                 | 0.04                     | 1.44                  | 90                      | 3.91                  | 114                     | 84              | 56                        | 0            | 1              | 5                | 0                |  |
| NE GRAND ISLAND     | 67              | 44              | 77           | 40          | 56      | 6                     | 0.04             | -0.55                 | 0.03                     | 1.44                  | 39                      | 2.64                  | 54                      | 82              | 50                        | 0            | 0              | 2                | 0                |  |
| LINCOLN             | 68              | 42              | 74           | 38          | 55      | 3                     | 0.13             | -0.53                 | 0.12                     | 4.11                  | 101                     | 6.36                  | 118                     | 87              | 51                        | 0            | 0              | 2                | 0                |  |
| NORFOLK             | 65              | 42              | 76           | 37          | 53      | 3                     | 0.47             | -0.12                 | 0.23                     | 2.95                  | 81                      | 4.86                  | 98                      | 80              | 51                        | 0            | 0              | 4                | 0                |  |
| NORTH PLATTE        | 64              | 37              | 77           | 32          | 50      | 1                     | 1.24             | 0.79                  | 0.91                     | 3.20                  | 133                     | 4.55                  | 138                     | 91              | 47                        | 0            | 3              | 3                | 1                |  |
| OMAHA               | 68              | 43              | 73           | 38          | 56      | 4                     | 0.34             | -0.33                 | 0.17                     | 3.73                  | 94                      | 6.08                  | 110                     | 82              | 55                        | 0            | 0              | 4                | 0                |  |
| SCOTTSBLUFF         | 67              | 35              | 74           | 28          | 51      | 4                     | 0.27             | -0.14                 | 0.13                     | 0.36                  | 16                      | 1.38                  | 41                      | 84              | 58                        | 0            | 2              | 3                | 0                |  |
| VALENTINE           | 61              | 38              | 75           | 34          | 50      | 3                     | 1.34             | 0.89                  | 0.90                     | 2.22                  | 98                      | 4.68                  | 154                     | 88              | 64                        | 0            | 0              | 3                | 1                |  |
| NV ELY              | 68              | 33              | 85           | 23          | 51      | 9                     | 0.20             | 0.01                  | 0.20                     | 1.55                  | 96                      | 3.44                  | 111                     | 76              | 39                        | 0            | 2              | 1                | 0                |  |
| LAS VEGAS           | 85              | 60              | 96           | 47          | 73      | 7                     | 0.00             | 0.00                  | 0.00                     | 0.19                  | 29                      | 0.25                  | 13                      | 38              | 20                        | 2            | 0              | 0                | 0                |  |
| RENO                | 75              | 43              | 88           | 32          | 59      | 10                    | 0.00             | -0.06                 | 0.00                     | 0.14                  | 13                      | 2.28                  | 72                      | 63              | 35                        | 0            | 1              | 0                | 0                |  |
| WINNEMUCCA          | 71              | 36              | 85           | 24          | 54      | 7                     | 0.03             | -0.16                 | 0.02                     | 1.21                  | 86                      | 2.50                  | 87                      | 78              | 40                        | 0            | 3              | 2                | 0                |  |
| NH CONCORD          | 77              | 44              | 90           | 33          | 61      | 16                    | 0.00             | -0.69                 | 0.00                     | 1.75                  | 34                      | 5.99                  | 57                      | 83              | 25                        | 1            | 0              | 0                | 0                |  |
| NJ NEWARK           | 75              | 55              | 88           | 49          | 65      | 12                    | 0.28             | -0.59                 | 0.26                     | 1.69                  | 25                      | 5.91                  | 43                      | 72              | 43                        | 0            | 0              | 2                | 0                |  |
| NM ALBUQUERQUE      | 73              | 43              | 84           | 33          | 58      | 2                     | 0.00             | -0.11                 | 0.00                     | 1.01                  | 107                     | 1.67                  | 89                      | 39              | 14                        | 0            | 0              | 0                | 0                |  |
| NY ALBANY           | 74              | 44              | 91           | 30          | 59      | 12                    | 1.22             | 0.47                  | 1.22                     | 2.90                  | 54                      | 6.16                  | 61                      | 82              | 36                        | 1            | 1              | 1                | 1                |  |
| BINGHAMTON          | 68              | 43              | 83           | 31          | 56      | 11                    | 0.43             | -0.39                 | 0.37                     | 2.64                  | 49                      | 6.93                  | 67                      | 74              | 54                        | 0            | 1              | 3                | 0                |  |
| BUFFALO             | 66              | 43              | 82           | 31          | 54      | 8                     | 0.55             | -0.14                 | 0.42                     | 2.86                  | 56                      | 9.00                  | 84                      | 79              | 49                        | 0            | 1              | 2                | 0                |  |
| ROCHESTER           | 68              | 43              | 87           | 31          | 56      | 10                    | 0.68             | 0.05                  | 0.62                     | 2.27                  | 50                      | 7.72                  | 87                      | 78              | 67                        | 0            | 1              | 3                | 1                |  |
| SYRACUSE            | 71              | 42              | 90           | 31          | 56      | 10                    | 0.51             | -0.26                 | 0.49                     | 2.72                  | 51                      | 8.01                  | 80                      | 87              | 44                        | 1            | 1              | 2                | 0                |  |
| NC ASHEVILLE        | 71              | 52              | 80           | 44          | 62      | 8                     | 2.29             | 1.53                  | 1.11                     | 6.78                  | 96                      | 12.22                 | 82                      | 93              | 70                        | 0            | 0              | 3                | 2                |  |
| CHARLOTTE           | 75              | 53              | 84           | 47          | 64      | 3                     | 0.44             | -0.19                 | 0.40                     | 5.12                  | 79                      | 8.70                  | 62                      | 94              | 58                        | 0            | 0              | 2                | 0                |  |
| GREENSBORO          | 75              | 55              | 83           | 51          | 65      | 7                     | 0.62             | -0.15                 | 0.31                     | 4.18                  | 68                      | 7.85                  | 61                      | 91              | 53                        | 0            | 0              | 3                | 0                |  |
| HATTERAS            | 75              | 60              | 83           | 56          | 68      | 8                     | 0.59             | -0.10                 | 0.59                     | 5.92                  | 80                      | 14.38                 | 84                      | 87              | 59                        | 0            | 0              | 1                | 1                |  |
| RALEIGH             | 77              | 56              | 86           | 51          | 66      | 6                     | 0.55             | -0.04                 | 0.31                     | 6.76                  | 114                     | 10.66                 | 79                      | 91              | 60                        | 0            | 0              | 2                | 0                |  |
| WILMINGTON          | 80              | 60              | 87           | 59          | 70      | 7                     | 0.03             | -0.59                 | 0.02                     | 4.03                  | 65                      | 7.96                  | 55                      | 96              | 52                        | 0            | 0              | 2                | 0                |  |
| ND BISMARCK         | 52              | 34              | 67           | 24          | 43      | -1                    | 0.34             | 0.00                  | 0.12                     | 1.54                  | 89                      | 2.32                  | 86                      | 92              | 69                        | 0            | 2              | 6                | 0                |  |
| DICKINSON           | 55              | 31              | 64           | 26          | 43      | -1                    | 0.41             | -0.01                 | 0.24                     | 1.00                  | 55                      | 1.43                  | 55                      | 93              | 42                        | 0            | 5              | 4                | 0                |  |
| FARGO               | 56              | 34              | 62           | 25          | 45      | 1                     | 0.69             | 0.39                  | 0.40                     | 1.77                  | 88                      | 3.30                  | 98                      | 80              | 43                        | 0            | 2              | 4                | 0                |  |
| GRAND FORKS         | 52              | 33              | 60           | 23          | 43      | 0                     | 0.08             | -0.19                 | 0.00                     | 2.65                  | 162                     | 3.55                  | 122                     | 82              | 46                        | 0            | 2              | 1                | 0                |  |
| JAMESTOWN           | 53              | 33              | 64           | 24          | 43      | -1                    | 0.32             | 0.01                  | 0.21                     | 1.59                  | 92                      | 2.03                  | 71                      | 89              | 52                        | 0            | 3              | 5                | 0                |  |
| WILLISTON           | 53              | 31              | 62           | 26          | 42      | -1                    | 0.36             | 0.13                  | 0.24                     | 0.46                  | 34                      | 0.86                  | 37                      | 94              | 67                        | 0            | 4              | 3                | 0                |  |
| OH AKRON-CANTON     | 69              | 46              | 80           | 38          | 58      | 10                    | 0.48             | -0.30                 | 0.48                     | 4.02                  | 74                      | 9.85                  | 97                      | 79              | 53                        | 0            | 0              | 1                | 0                |  |
| CINCINNATI          | 68              | 46              | 78           | 39          | 57      | 3                     | 0.30             | -0.61                 | 0.14                     | 4.56                  | 69                      | 11.49                 | 93                      | 82              | 58                        | 0            | 0              | 3                | 0                |  |
| CLEVELAND           | 67              | 46              | 80           | 40          | 56      | 8                     | 0.27             | -0.50                 | 0.18                     | 4.46                  | 85                      | 9.93                  | 99                      | 78              | 45                        | 0            | 0              | 3                | 0                |  |
| COLUMBUS            | 71              | 48              | 78           | 38          | 59      | 7                     | 0.59             | -0.16                 | 0.47                     | 6.65                  | 132                     | 12.36                 | 126                     | 80              | 52                        | 0            | 0              | 2                | 0                |  |
| DAYTON              | 68              | 45              | 77           | 37          | 57      | 6                     | 0.53             | -0.41                 | 0.45                     | 3.91                  | 65                      | 9.91                  | 91                      | 84              | 44                        | 0            | 0              | 2                | 0                |  |
| MANSFIELD           | 68              | 45              | 78           | 37          | 57      | 9                     | 0.42             | -0.54                 | 0.24                     | 4.01                  | 64                      | 10.14                 | 92                      | 88              | 44                        | 0            | 0              | 2                | 0                |  |

Based on 1971-2000 normals

\*\*\* Not Available

Weather Data for the Week Ending April 21, 2012

| STATES AND STATIONS | TEMPERATURE °F  |                 |              |             |         |                       | PRECIPITATION     |                       |                          |                        |                         |                        |                         | RELATIVE HUMIDITY PERCENT |                 | NUMBER OF DAYS |              |                 |                 |                 |                 |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|------------------------|-------------------------|------------------------|-------------------------|---------------------------|-----------------|----------------|--------------|-----------------|-----------------|-----------------|-----------------|
|                     | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN., SINCE MAR 1 | PCT. NORMAL SINCE MAR 1 | TOTAL IN., SINCE JAN 1 | PCT. NORMAL SINCE JAN 1 | AVERAGE MAXIMUM           | AVERAGE MINIMUM | 90 AND ABOVE   | 32 AND BELOW | TEMP. °F        |                 | PRECIP          |                 |
|                     |                 |                 |              |             |         |                       |                   |                       |                          |                        |                         |                        |                         |                           |                 |                |              | 01 INCH OR MORE | 50 INCH OR MORE | 01 INCH OR MORE | 50 INCH OR MORE |
| OK TOLEDO           | 69              | 44              | 80           | 36          | 56      | 7                     | 0.30              | -0.46                 | 0.27                     | 4.75                   | 97                      | 8.95                   | 103                     | 79                        | 42              | 0              | 0            | 3               | 0               |                 |                 |
| OK YOUNGSTOWN       | 69              | 44              | 81           | 32          | 57      | 9                     | 0.57              | -0.20                 | 0.50                     | 3.28                   | 61                      | 11.00                  | 113                     | 81                        | 53              | 0              | 1            | 2               | 1               |                 |                 |
| OK OKLAHOMA CITY    | 73              | 50              | 79           | 44          | 61      | 1                     | 1.19              | 0.52                  | 0.64                     | 9.40                   | 198                     | 12.49                  | 165                     | 86                        | 42              | 0              | 0            | 3               | 2               |                 |                 |
| OR TULSA            | 74              | 50              | 81           | 40          | 62      | 1                     | 2.16              | 1.27                  | 1.02                     | 9.09                   | 150                     | 11.31                  | 118                     | 82                        | 50              | 0              | 0            | 3               | 2               |                 |                 |
| OR ASTORIA          | 55              | 41              | 68           | 36          | 48      | -1                    | 3.87              | 2.77                  | 1.55                     | 19.62                  | 176                     | 37.22                  | 130                     | 96                        | 83              | 0              | 0            | 6               | 3               |                 |                 |
| OR BURNS            | 62              | 33              | 77           | 29          | 48      | 5                     | 0.40              | 0.23                  | 0.23                     | 1.96                   | 109                     | 4.47                   | 110                     | 90                        | 60              | 0              | 3            | 4               | 0               |                 |                 |
| OR EUGENE           | 63              | 45              | 72           | 39          | 54      | 4                     | 0.91              | 0.10                  | 0.34                     | 13.00                  | 152                     | 25.17                  | 112                     | 92                        | 79              | 0              | 0            | 5               | 0               |                 |                 |
| OR MEDFORD          | 67              | 48              | 86           | 42          | 57      | 5                     | 0.45              | 0.17                  | 0.14                     | 5.35                   | 195                     | 10.30                  | 141                     | 91                        | 51              | 0              | 0            | 4               | 0               |                 |                 |
| OR PENDLETON        | 64              | 41              | 76           | 35          | 52      | 1                     | 1.07              | 0.82                  | 0.44                     | 3.74                   | 187                     | 6.67                   | 143                     | 88                        | 54              | 0              | 0            | 4               | 0               |                 |                 |
| OR PORTLAND         | 61              | 45              | 75           | 40          | 53      | 2                     | 1.24              | 0.65                  | 0.52                     | 10.49                  | 187                     | 20.14                  | 136                     | 90                        | 72              | 0              | 0            | 5               | 1               |                 |                 |
| OR SALEM            | 61              | 43              | 72           | 37          | 52      | 2                     | 1.13              | 0.52                  | 0.45                     | 12.32                  | 200                     | 26.78                  | 157                     | 91                        | 78              | 0              | 0            | 5               | 0               |                 |                 |
| PA ALLENTOWN        | 76              | 49              | 90           | 42          | 62      | 13                    | 0.51              | -0.27                 | 0.48                     | 1.82                   | 31                      | 5.89                   | 49                      | 81                        | 56              | 1              | 0            | 2               | 0               |                 |                 |
| PA ERIE             | 66              | 44              | 82           | 33          | 55      | 8                     | 0.58              | -0.20                 | 0.34                     | 2.99                   | 54                      | 9.28                   | 90                      | 77                        | 55              | 0              | 0            | 2               | 0               |                 |                 |
| PA MIDDLETOWN       | 74              | 51              | 86           | 47          | 63      | 11                    | 0.47              | -0.27                 | 0.35                     | 2.45                   | 45                      | 7.73                   | 69                      | 87                        | 39              | 0              | 0            | 3               | 0               |                 |                 |
| PA PHILADELPHIA     | 77              | 55              | 89           | 50          | 66      | 13                    | 0.19              | -0.59                 | 0.15                     | 1.31                   | 21                      | 5.74                   | 46                      | 83                        | 66              | 0              | 0            | 2               | 0               |                 |                 |
| PA PITTSBURGH       | 72              | 47              | 82           | 40          | 60      | 10                    | 0.30              | -0.37                 | 0.30                     | 4.20                   | 81                      | 10.29                  | 100                     | 78                        | 39              | 0              | 0            | 1               | 0               |                 |                 |
| PA WILKES-BARRE     | 74              | 45              | 88           | 36          | 59      | 10                    | 0.45              | -0.31                 | 0.37                     | 3.22                   | 66                      | 6.15                   | 65                      | 77                        | 35              | 0              | 0            | 2               | 0               |                 |                 |
| PA WILLIAMSPORT     | 75              | 45              | 89           | 35          | 60      | 11                    | 0.24              | -0.56                 | 0.24                     | 1.59                   | 28                      | 6.35                   | 57                      | 77                        | 47              | 0              | 0            | 1               | 0               |                 |                 |
| RI PROVIDENCE       | 72              | 50              | 83           | 44          | 61      | 12                    | 0.03              | -0.91                 | 0.02                     | 1.60                   | 22                      | 6.49                   | 43                      | 87                        | 49              | 0              | 0            | 2               | 0               |                 |                 |
| SC BEAUFORT         | 80              | 62              | 85           | 59          | 71      | 6                     | 0.13              | -0.52                 | 0.07                     | 8.14                   | 136                     | 11.50                  | 87                      | 92                        | 57              | 0              | 0            | 5               | 0               |                 |                 |
| SC CHARLESTON       | 80              | 59              | 84           | 57          | 70      | 6                     | 0.10              | -0.49                 | 0.05                     | 6.55                   | 108                     | 9.47                   | 72                      | 96                        | 58              | 0              | 0            | 2               | 0               |                 |                 |
| SC COLUMBIA         | 79              | 60              | 88           | 58          | 70      | 7                     | 0.37              | -0.26                 | 0.35                     | 2.88                   | 42                      | 7.10                   | 46                      | 87                        | 70              | 0              | 0            | 2               | 0               |                 |                 |
| SC GREENVILLE       | 74              | 55              | 83           | 50          | 65      | 6                     | 0.99              | 0.25                  | 0.61                     | 5.48                   | 71                      | 10.57                  | 64                      | 91                        | 59              | 0              | 0            | 2               | 1               |                 |                 |
| SD ABERDEEN         | 54              | 35              | 65           | 27          | 45      | -1                    | 1.36              | 0.95                  | 0.98                     | 3.03                   | 119                     | 4.60                   | 131                     | 91                        | 69              | 0              | 2            | 5               | 1               |                 |                 |
| SD HURON            | 56              | 38              | 67           | 32          | 47      | 0                     | 2.40              | 1.88                  | 1.63                     | 3.47                   | 115                     | 6.26                   | 153                     | 99                        | 69              | 0              | 1            | 6               | 2               |                 |                 |
| SD RAPID CITY       | 60              | 34              | 70           | 30          | 47      | 2                     | 0.95              | 0.52                  | 0.77                     | 2.29                   | 106                     | 2.98                   | 100                     | 87                        | 39              | 0              | 3            | 4               | 1               |                 |                 |
| SD SIOUX FALLS      | 61              | 37              | 72           | 28          | 49      | 3                     | 0.58              | -0.03                 | 0.53                     | 2.60                   | 73                      | 5.78                   | 126                     | 88                        | 70              | 0              | 2            | 3               | 1               |                 |                 |
| TN BRISTOL          | 74              | 50              | 83           | 45          | 62      | 7                     | 0.77              | 0.06                  | 0.65                     | 5.56                   | 92                      | 13.87                  | 107                     | 95                        | 49              | 0              | 0            | 3               | 1               |                 |                 |
| TN CHATTANOOGA      | 74              | 56              | 81           | 51          | 65      | 5                     | 0.21              | -0.70                 | 0.08                     | 6.09                   | 66                      | 15.44                  | 79                      | 87                        | 71              | 0              | 0            | 3               | 0               |                 |                 |
| TN KNOXVILLE        | 73              | 54              | 81           | 50          | 64      | 6                     | 0.20              | -0.68                 | 0.20                     | 9.04                   | 114                     | 18.80                  | 114                     | 89                        | 56              | 0              | 0            | 1               | 0               |                 |                 |
| TN MEMPHIS          | 73              | 53              | 84           | 48          | 63      | 1                     | 0.61              | -0.74                 | 0.35                     | 5.39                   | 56                      | 10.15                  | 56                      | 84                        | 45              | 0              | 0            | 3               | 0               |                 |                 |
| TN NASHVILLE        | 71              | 52              | 79           | 45          | 61      | 2                     | 1.06              | 0.20                  | 0.58                     | 5.53                   | 73                      | 13.47                  | 89                      | 88                        | 50              | 0              | 0            | 5               | 1               |                 |                 |
| TX ABILENE          | 80              | 51              | 90           | 43          | 66      | 1                     | 0.45              | 0.07                  | 0.45                     | 2.08                   | 84                      | 6.55                   | 143                     | 80                        | 34              | 1              | 0            | 1               | 0               |                 |                 |
| TX AMARILLO         | 74              | 45              | 86           | 38          | 60      | 3                     | 0.09              | -0.20                 | 0.05                     | 2.25                   | 114                     | 2.93                   | 93                      | 79                        | 21              | 0              | 0            | 3               | 0               |                 |                 |
| TX AUSTIN           | 81              | 52              | 85           | 48          | 66      | -3                    | 0.02              | -0.55                 | 0.02                     | 5.20                   | 145                     | 16.36                  | 219                     | 83                        | 46              | 0              | 0            | 1               | 0               |                 |                 |
| TX BEAUMONT         | 78              | 60              | 81           | 54          | 69      | 1                     | 2.40              | 1.54                  | 1.70                     | 11.18                  | 177                     | 25.35                  | 165                     | 95                        | 55              | 0              | 0            | 6               | 2               |                 |                 |
| TX BROWNSVILLE      | 87              | 67              | 92           | 60          | 77      | 3                     | 0.26              | -0.21                 | 0.23                     | 0.77                   | 35                      | 5.34                   | 113                     | 88                        | 53              | 2              | 0            | 2               | 0               |                 |                 |
| TX CORPUS CHRISTI   | 84              | 65              | 94           | 59          | 75      | 3                     | 2.17              | 1.70                  | 2.16                     | 3.93                   | 131                     | 8.47                   | 131                     | 85                        | 57              | 1              | 0            | 2               | 1               |                 |                 |
| TX DEL RIO          | 87              | 58              | 91           | 51          | 72      | 1                     | 0.00              | -0.41                 | 0.00                     | 2.06                   | 104                     | 3.76                   | 107                     | 69                        | 34              | 1              | 0            | 0               | 0               |                 |                 |
| TX EL PASO          | 82              | 52              | 90           | 41          | 67      | 2                     | 0.00              | -0.04                 | 0.00                     | 0.17                   | 49                      | 0.85                   | 71                      | 27                        | 10              | 2              | 0            | 0               | 0               |                 |                 |
| TX FORT WORTH       | 77              | 54              | 83           | 46          | 65      | 0                     | 0.60              | -0.13                 | 0.51                     | 10.00                  | 200                     | 18.06                  | 195                     | 85                        | 44              | 0              | 0            | 2               | 1               |                 |                 |
| TX GALVESTON        | 78              | 66              | 83           | 58          | 72      | 2                     | 1.46              | 0.90                  | 0.97                     | 6.96                   | 156                     | 17.29                  | 155                     | 87                        | 59              | 0              | 0            | 3               | 1               |                 |                 |
| TX HOUSTON          | 80              | 60              | 85           | 54          | 70      | 1                     | 3.07              | 2.25                  | 2.22                     | 10.42                  | 181                     | 21.47                  | 173                     | 86                        | 59              | 0              | 0            | 3               | 2               |                 |                 |
| TX LUBBOCK          | 79              | 48              | 90           | 40          | 64      | 4                     | 0.09              | -0.21                 | 0.09                     | 1.59                   | 105                     | 2.17                   | 79                      | 71                        | 33              | 1              | 0            | 1               | 0               |                 |                 |
| TX MIDLAND          | 83              | 52              | 93           | 44          | 68      | 4                     | 0.00              | -0.16                 | 0.00                     | 0.16                   | 22                      | 1.35                   | 73                      | 52                        | 22              | 1              | 0            | 0               | 0               |                 |                 |
| TX SAN ANGELO       | 84              | 49              | 93           | 41          | 66      | 1                     | 0.01              | -0.36                 | 0.01                     | 2.07                   | 111                     | 8.07                   | 209                     | 71                        | 36              | 1              | 0            | 1               | 0               |                 |                 |
| TX SAN ANTONIO      | 82              | 58              | 86           | 50          | 70      | 1                     | 0.01              | -0.59                 | 0.01                     | 3.27                   | 95                      | 12.89                  | 188                     | 86                        | 32              | 0              | 0            | 1               | 0               |                 |                 |
| TX VICTORIA         | 82              | 59              | 86           | 52          | 70      | 0                     | 1.10              | 0.42                  | 0.59                     | 4.49                   | 110                     | 9.51                   | 111                     | 91                        | 69              | 0              | 0            | 3               | 1               |                 |                 |
| TX WACO             | 77              | 51              | 83           | 44          | 64      | -2                    | 0.11              | -0.59                 | 0.08                     | 10.00                  | 234                     | 17.03                  | 198                     | 89                        | 54              | 0              | 0            | 2               | 0               |                 |                 |
| TX WICHITA FALLS    | 77              | 50              | 85           | 44          | 63      | 0                     | 0.43              | -0.16                 | 0.35                     | 5.90                   | 149                     | 8.74                   | 131                     | 85                        | 48              | 0              | 0            | 2               | 0               |                 |                 |
| UT SALT LAKE CITY   | 65              | 44              | 80           | 40          | 54      | 4                     | 0.44              | -0.02                 | 0.40                     | 2.08                   | 65                      | 4.99                   | 84                      | 71                        | 35              | 0              | 0            | 3               | 0               |                 |                 |
| VT BURLINGTON       | 69              | 44              | 85           | 32          | 57      | 13                    | 0.47              | -0.19                 | 0.47                     | 1.80                   | 42                      | 4.65                   | 57                      | 77                        | 36              | 0              | 1            | 1               | 0               |                 |                 |
| VA LYNCHBURG        | 75              | 51              | 85           | 46          | 63      | 7                     | 0.90              | 0.12                  | 0.53                     | 6.70                   | 109                     | 11.53                  | 90                      | 90                        | 52              | 0              | 0            | 2               | 1               |                 |                 |
| VA NORFOLK          | 78              | 59              | 90           | 50          | 68      | 10                    | 0.18              | -0.56                 | 0.08                     | 3.13                   | 49                      | 7.60                   | 55                      | 79                        | 45              | 1              | 0            | 3               | 0               |                 |                 |
| VA RICHMOND         | 79              | 55              | 90           | 47          | 67      | 10                    | 0.22              | -0.47                 | 0.15                     | 2.74                   | 44                      | 7.69                   | 60                      | 86                        | 62              | 1              | 0            | 3               | 0               |                 |                 |
| VA ROANOKE          | 75              | 52              | 89           | 44          | 64      | 7                     | 1.57              | 0.76                  | 0.89                     | 5.18                   | 83                      | 9.08                   | 72                      | 85                        | 54              | 0              | 0            | 4               | 2               |                 |                 |
| WA WASH/DULLES      | 75              | 51              | 88           | 42          | 63      | 9                     | 0.47              | -0.25                 | 0.24                     | 2.16                   | 38                      | 6.25                   | 54                      | 80                        | 53              | 0              | 0            | 2               | 0               |                 |                 |
| WA OLYMPIA          | 57              | 38              | 69           | 32          | 48      | 0                     | 1.58              | 0.90                  | 0.90                     | 11.30                  | 144                     | 25.03                  | 116                     | 93                        | 76              | 0              | 1            | 5               | 1               |                 |                 |
| WA QUILLAYUTE       | 55              | 40              | 64           | 34          | 47      | 0                     | 1.82              | 0.14                  | 0.96                     | 26.11                  | 158                     | 53.10                  | 125                     | 95                        | 77              | 0              | 0            | 5               | 2               |                 |                 |
| WA SEATTLE-TACOMA   | 58              | 43              | 68           | 40          | 50      | 0                     | 1.15              | 0.58                  | 0.41                     | 8.78                   | 154                     | 19.24                  | 128                     | 86                        | 65              | 0              | 0            | 5               | 0               |                 |                 |
| WA SPOKANE          | 56              | 40              | 67           | 34          | 48      | 1                     | 0.41              | 0.13                  | 0.23                     | 5.52                   | 234                     | 9.01                   | 158                     | 92                        | 52              | 0              | 0            | 5               | 0               |                 |                 |
| WA YAKIMA           | 65              | 38              | 78           | 31          | 52      | 3                     | 0.11              | 0.00                  | 0.10                     | 1.65                   | 154                     | 3.60                   | 118                     | 77                        | 42              | 0              | 2            | 2               | 0               |                 |                 |
| WV BECKLEY          | 69              | 50              | 82           | 45          | 60      | 8                     | 0.63              | -0.14                 | 0.51                     | 5.24                   | 89                      | 12.44                  | 103                     | 80                        | 57              | 0              | 0            | 2               | 1               |                 |                 |
| WV CHARLESTON       | 72              | 51              | 86           | 44          | 61      | 6                     | 0.58              | -0.14                 | 0.42                     | 4.03                   | 66                      | 9.38                   | 75                      | 88                        | 48              | 0              | 0            | 2               | 0               |                 |                 |
| WV ELKINS           | 72              | 43              | 85           | 36          | 57      | 8                     | 0.54              | -0.25                 | 0.28                     | 4.81                   | 77                      | 10.22                  | 79                      | 95                        | 40              | 0              | 0            | 2               | 0               |                 |                 |
| WV HUNTINGTON       | 71              | 49              | 85           | 44          | 60      | 4                     | 0.30              | -0.44                 | 0.29                     | 3.26                   | 54                      | 7.81                   | 63                      | 85                        | 48              | 0              | 0            | 2               | 0               |                 |                 |
| WI EAU CLAIRE       | 59              | 36              | 76           | 26          | 47      | 1                     | 1.57              | 0.89                  | 0.68                     | 4.39                   | 116                     | 6.77                   | 120                     | 92                        | 46              | 0              | 3            | 5               | 1               |                 |                 |
| WI GREEN BAY        | 59              | 38              | 73           | 31          | 48      | 3                     | 1.70              | 1.12                  | 0.88                     | 4.10                   | 107                     | 6.62                   | 109                     | 85                        | 58              | 0              | 1            | 4               | 2               |                 |                 |
| WI LA CROSSE        | 62              | 40              | 76           | 30          | 51      | 2                     | 2.25              | 1.45                  | 1.60                     | 4.31                   | 101                     | 6.83                   | 106                     | 91                        | 47              | 0              | 1            | 4               | 2               |                 |                 |
| WI MADISON          | 60              | 39              | 73           | 29          | 50      | 4                     | 1.49              | 0.69                  | 0.95                     | 4.47                   | 97                      | 6.90                   | 97                      | 85                        | 60              | 0              | 2            | 3               | 1               |                 |                 |
| WI MILWAUKEE        | 58              | 41              | 74           | 33          | 50      | 4                     | 1.93              | 1.03                  | 1.02                     | 5.16                   | 98                      | 8.01                   | 92                      | 84                        | 64              | 0              | 0            | 3               | 2               |                 |                 |
| WY CASPER           | 59              | 30              | 69           | 27          | 45      | 2                     | 0.25              | -0.10                 | 0.14                     | 1.31                   | 75                      | 2.86                   | 96                      | 89                        | 52              | 0              | 6            | 3               | 0               |                 |                 |
| WY CHEYENNE         | 58              | 33              | 66           | 28          | 46      | 4                     | 0.04              | -0.31                 | 0.02                     | 0.18                   | 9                       | 1.21                   | 42                      | 80                        | 36              | 0              | 4            | 3               | 0               |                 |                 |
| WY LANDER           | 62              | 34              | 74           | 31          | 48      | 4                     | 0.35              | -0.13                 | 0.18                     | 1.35                   | 54                      | 2.66                   | 74                      | 78                        | 26              | 0              | 3            | 2               | 0               |                 |                 |
| WY SHERIDAN         | 56              | 32              | 67           | 28          | 44      | 0                     | 0.20              | -0.21                 | 0.13                     | 1.74                   | 83                      | 3.03                   | 88                      | 89                        | 62              | 0              | 5            | 3               | 0               |                 |                 |

Based on 1971-2000 normals

\*\*\* Not Available

# National Agricultural Summary

April 16 – 22, 2012

Weekly National Agricultural Summary provided by USDA/NASS

## HIGHLIGHTS

**Temperatures throughout the nation's mid-section were near normal during the week, while portions of the West and Northeast noted weekly readings more than 9°F above normal. Mostly dry weather promoted a rapid fieldwork pace in many regions, allowing planting for**

**many crops to progress at a record pace. Elsewhere, precipitation totaling at least twice the weekly normal was received across much of the nation's northern tier, along the Gulf Coast, and at scattered locations in the Southwestern and Mid-Atlantic States.**

**Corn:** By April 22, producers had planted 28 percent of the nation's corn crop, 20 percentage points ahead of last year and 13 points ahead of the 5-year average. Planting was ahead of normal in all estimating states except Iowa and Minnesota. Aided by favorable weather conditions, double-digit progress was evident in 10 of the 18 estimating states. By week's end, 9 percent of the corn crop was emerged, 7 percentage points ahead of both last year and the 5-year average.

**Soybeans:** Nationally, 6 percent of the soybean crop was planted by week's end, 4 percentage points ahead of both last year and the 5-year average. Planting was most advanced in the Delta, where producers had at least 28 percent of their seed in the ground.

**Winter Wheat:** Heading advanced 13 percentage points during the week, as favorable weather promoted a rapid crop development pace in many of the major producing regions. By April 22, forty-two percent of the winter wheat was at or beyond the heading stage, 22 percentage points ahead of last year and 27 points ahead of the 5-year average. Overall, 63 percent of the winter wheat crop was reported in good to excellent condition, down slightly from last week but 28 percentage points better than the same time last year.

**Cotton:** Producers had planted 17 percent of this year's cotton crop by April 22, five percentage points ahead of last year and 4 points ahead of the 5-year average. Planting was most active in California, where mostly sunny weather provided producers ample time for fieldwork during the week; however, overall progress in the State was well behind both last year and the average. In Texas, producers on the Plains regions were listing fields, pre-watering, and readying equipment, while planting was nearly complete in other locations. Irrigation was active in cotton fields in South Texas and the Lower Valley.

**Sorghum:** By week's end, 21 percent of the sorghum crop was planted, slightly ahead of both last year and the 5-year average. Producers in Arkansas took advantage of favorable weather and adequate soil moisture levels to plant 11 percent of their crop during the week, leaving overall progress 44 percentage points ahead of normal.

**Rice:** By April 22, producers had seeded 65 percent of this year's rice crop, 23 percentage points ahead of last year and 22 points ahead of the 5-year average. Progress remained well ahead of normal in much of the Delta, while seeding was behind normal in California and Texas. In Louisiana, seeding advanced 13 percentage points during the week, but overall progress remained just ahead of normal, as producers applied fertilizers and

herbicides to their fields. Favorable growing conditions promoted a rapid emergence pace throughout the Delta and in Texas, with nationwide progress advancing 22 percentage points during the week. By week's end, 49 percent of the rice crop was emerged, 24 percentage points ahead of last year and 27 points ahead of the 5-year average.

**Small Grains:** Nationally, 82 percent of the oat crop was seeded by April 22, thirty-five percentage points ahead of last year and 25 points ahead of the 5-year average. Emergence advanced to 58 percent complete by week's end, 20 percentage points ahead of last year and 17 points ahead of the five-year average. Adequate soil moisture supplies, along with mostly warmer-than-normal weather, boosted crop conditions in many of the growing regions. Overall, two-thirds of this year's oat crop was reported in good to excellent condition. Comparable data from last year is not available, as this is the quickest year on record that emergence has surpassed the halfway mark, and the earliest crop conditions have ever been estimated.

Fieldwork across most of the major barley-producing region continued at a rapid pace, as temperatures and moisture levels provided nearly ideal seeding conditions. By week's end, barley producers had seeded 50 percent of the nation's crop, 33 percentage points ahead of last year and 23 points ahead of the 5-year average—and the quickest pace on record. Eleven percent of the barley crop was emerged by April 22, six percentage points ahead of last year and 4 points ahead of the 5-year average.

By week's end, 57 percent of the spring wheat crop was seeded, 51 percentage points ahead of last year and 38 points ahead of the 5-year average—and the quickest pace on record. In Minnesota and the Dakotas, seeding was at least 45 percentage points ahead of last year and at least 37 points ahead of normal. Emergence advanced to 18 percent complete by April 22, sixteen percentage points ahead of last year and 14 points ahead of the 5-year average.

**Other Crops:** Peanut producers had planted 5 percent of this year's crop by week's end, 4 percentage points ahead of both last year and the 5-year average. Planting was most advanced in Florida, where warmer-than-normal spring weather allowed producers to prepare fields earlier this year. Although some producers in Georgia were waiting until after a forecasted cold front passed to start planting their fields, overall progress was ahead of normal.

With planting complete in Michigan and nearing completion in Idaho, sugarbeet producers had 60 percent of the nation's crop in the ground by April 22. This was 51 percentage points ahead of last year and 31 points ahead of the 5-year average.

**Crop Progress and Condition**

**Week Ending April 22, 2012**

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

| Sorghum Percent Planted                                     |           |           |             |          |
|---|-----------|-----------|-------------|----------|
|   | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| AR  | 51        | 78        | 89          | 45       |
| CO  | 0         | 0         | 0           | 0        |
| IL  | 0         | 1         | 3           | 1        |
| KS  | 1         | 0         | 0           | 0        |
| LA  | 93        | 63        | 66          | 65       |
| MO  | 1         | 1         | 9           | 3        |
| NE  | 0         | 0         | 0           | 0        |
| NM  | 3         | 1         | 3           | 2        |
| OK  | 3         | 2         | 6           | 5        |
| SD  | 0         | 0         | 0           | 0        |
| TX  | 55        | 52        | 60          | 58       |
| 11 Sts  | 20        | 18        | 21          | 20       |
| These 11 States planted 98% of last year's sorghum acreage. |           |           |             |          |

| Sugarbeets Percent Planted                                   |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| ID   | 39        | 75        | 91          | 69       |
| MI   | 13        | 98        | 100         | 55       |
| MN   | 0         | 24        | 45          | 13       |
| ND   | 0         | 13        | 40          | 13       |
| 4 Sts  | 9         | 41        | 60          | 29       |
| These 4 States planted 84% of last year's sugarbeet acreage. |           |           |             |          |

| Barley Percent Planted                                    |           |           |             |          |
|---|-----------|-----------|-------------|----------|
|   | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| ID  | 43        | 43        | 62          | 44       |
| MN  | 1         | 35        | 52          | 17       |
| MT  | 8         | 39        | 59          | 25       |
| ND  | 0         | 17        | 29          | 5        |
| WA  | 25        | 6         | 14          | 49       |
| 5 Sts   | 17        | 33        | 50          | 27       |
| These 5 States planted 71% of last year's barley acreage. |           |           |             |          |

| Barley Percent Emerged                                    |           |           |             |          |
|---|-----------|-----------|-------------|----------|
|   | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| ID  | 15        | 12        | 26          | 17       |
| MN  | 0         | 8         | 14          | 4        |
| MT  | 0         | 2         | 6           | 2        |
| ND  | 0         | 1         | 4           | 0        |
| WA  | 5         | 0         | 1           | 19       |
| 5 Sts   | 5         | 5         | 11          | 7        |
| These 5 States planted 71% of last year's barley acreage. |           |           |             |          |

| Cotton Percent Planted                                     |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| AL   | 4         | 6         | 10          | 6        |
| AZ   | 46        | 38        | 47          | 43       |
| AR   | 4         | 7         | 9           | 7        |
| CA   | 56        | 10        | 30          | 68       |
| GA   | 6         | 9         | 12          | 4        |
| KS   | 0         | 0         | 1           | 0        |
| LA   | 32        | 18        | 19          | 22       |
| MS   | 6         | 5         | 13          | 8        |
| MO   | 0         | 4         | 6           | 4        |
| NC   | 5         | 3         | 4           | 4        |
| OK   | 0         | 0         | 0           | 0        |
| SC   | 6         | 6         | 7           | 3        |
| TN   | 0         | 0         | 0           | 2        |
| TX   | 13        | 18        | 23          | 16       |
| VA   | 9         | 3         | 5           | 4        |
| 15 Sts   | 12        | 13        | 17          | 13       |
| These 15 States planted 99% of last year's cotton acreage. |           |           |             |          |

| Peanuts Percent Planted                                   |           |           |             |          |
|---|-----------|-----------|-------------|----------|
|   | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| AL  | 1         | NA        | 1           | 1        |
| FL  | 0         | NA        | 17          | 1        |
| GA  | 0         | NA        | 5           | 1        |
| NC  | 7         | NA        | 3           | 3        |
| OK  | 0         | NA        | 5           | 1        |
| SC  | 4         | NA        | 1           | 1        |
| TX  | 1         | NA        | 1           | 0        |
| VA  | 2         | NA        | 0           | 0        |
| 8 Sts   | 1         | NA        | 5           | 1        |
| These 8 States planted 98% of last year's peanut acreage. |           |           |             |          |

| Oats Percent Planted                                   |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| IA   | 70        | 87        | 94          | 63       |
| MN   | 4         | 77        | 81          | 26       |
| NE   | 66        | 77        | 85          | 69       |
| ND   | 0         | 24        | 39          | 6        |
| OH   | 15        | 60        | 80          | 39       |
| PA   | 5         | 78        | 86          | 43       |
| SD   | 14        | 80        | 81          | 29       |
| TX   | 100       | 100       | 100         | 100      |
| WI   | 11        | 48        | 60          | 31       |
| 9 Sts  | 47        | 76        | 82          | 57       |
| These 9 States planted 62% of last year's oat acreage. |           |           |             |          |

| Rice Percent Planted                                     |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| AR   | 41        | 75        | 86          | 43       |
| CA   | 1         | 0         | 0           | 8        |
| LA   | 89        | 68        | 81          | 78       |
| MS   | 50        | 60        | 82          | 42       |
| MO   | 11        | 71        | 78          | 26       |
| TX   | 87        | 65        | 79          | 82       |
| 6 Sts  | 42        | 56        | 65          | 43       |
| These 6 States planted 100% of last year's rice acreage. |           |           |             |          |

| Rice Percent Emerged                                     |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| AR   | 19        | 30        | 62          | 16       |
| CA   | 0         | 0         | 0           | 0        |
| LA   | 67        | 50        | 68          | 58       |
| MS   | 23        | 35        | 65          | 17       |
| MO   | 2         | 28        | 45          | 6        |
| TX   | 70        | 40        | 64          | 63       |
| 6 Sts  | 25        | 27        | 49          | 22       |
| These 6 States planted 100% of last year's rice acreage. |           |           |             |          |

| Spring Wheat Percent Planted                                    |           |           |             |          |
|---|-----------|-----------|-------------|----------|
|   | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| ID  | 45        | 48        | 70          | 49       |
| MN  | 0         | 56        | 84          | 17       |
| MT  | 3         | 23        | 49          | 19       |
| ND  | 0         | 27        | 45          | 8        |
| SD  | 9         | 83        | 91          | 30       |
| WA  | 44        | 30        | 47          | 62       |
| 6 Sts   | 6         | 37        | 57          | 19       |
| These 6 States planted 98% of last year's spring wheat acreage. |           |           |             |          |

| Spring Wheat Percent Emerged                                    |           |           |             |          |
|---|-----------|-----------|-------------|----------|
|   | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| ID  | 14        | 15        | 27          | 20       |
| MN  | 0         | 8         | 20          | 3        |
| MT  | 0         | 2         | 5           | 0        |
| ND  | 0         | 5         | 12          | 0        |
| SD  | 1         | 48        | 64          | 7        |
| WA  | 14        | 14        | 19          | 28       |
| 6 Sts   | 2         | 10        | 18          | 4        |
| These 6 States planted 98% of last year's spring wheat acreage. |           |           |             |          |

**Crop Progress and Condition**

**Week Ending April 22, 2012**

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

| Winter Wheat Percent Headed                                      |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| AR   | 68        | 93        | 100         | 51       |
| CA   | 84        | 65        | 85          | 89       |
| CO   | 0         | 0         | 0           | 1        |
| ID   | 0         | 0         | 0           | 0        |
| IL   | 0         | 40        | 55          | 1        |
| IN   | 0         | 9         | 19          | 0        |
| KS   | 5         | 19        | 45          | 2        |
| MI   | 0         | 0         | 0           | 0        |
| MO   | 7         | 52        | 69          | 4        |
| MT   | 0         | 0         | 0           | 0        |
| NE   | 0         | 0         | 0           | 0        |
| NC   | 48        | 76        | 92          | 33       |
| OH   | 0         | 0         | 0           | 1        |
| OK   | 59        | 72        | 89          | 38       |
| OR   | 0         | 0         | 0           | 0        |
| SD   | 0         | 0         | 0           | 0        |
| TX   | 44        | 51        | 67          | 38       |
| WA   | 0         | 0         | 0           | 0        |
| 18 Sts   | 20        | 29        | 42          | 15       |
| These 18 States planted 88% of last year's winter wheat acreage. |           |           |             |          |

| Corn Percent Planted                                     |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| CO   | 9         | 5         | 10          | 9        |
| IL   | 10        | 41        | 59          | 17       |
| IN   | 2         | 24        | 46          | 10       |
| IA   | 3         | 5         | 9           | 16       |
| KS   | 26        | 18        | 32          | 19       |
| KY   | 16        | 59        | 75          | 29       |
| MI   | 1         | 5         | 11          | 6        |
| MN   | 0         | 7         | 11          | 12       |
| MO   | 27        | 39        | 50          | 27       |
| NE   | 4         | 4         | 14          | 9        |
| NC   | 60        | 54        | 79          | 62       |
| ND   | 0         | 3         | 8           | 4        |
| OH   | 1         | 10        | 34          | 8        |
| PA   | 1         | 5         | 15          | 6        |
| SD   | 0         | 4         | 8           | 3        |
| TN   | 30        | 80        | 88          | 44       |
| TX   | 63        | 54        | 65          | 64       |
| WI   | 0         | 2         | 6           | 4        |
| 18 Sts   | 8         | 17        | 28          | 15       |
| These 18 States planted 92% of last year's corn acreage. |           |           |             |          |

| Soybeans Percent Planted               |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| AR                                     | 13        | NA        | 28          | 11       |
| IL                                     | 0         | NA        | 5           | 1        |
| IN                                     | 0         | NA        | 11          | 1        |
| IA                                     | 0         | NA        | 1           | 1        |
| KS                                     | 0         | NA        | 2           | 0        |
| KY                                     | 0         | NA        | 7           | 1        |
| LA                                     | 39        | NA        | 33          | 28       |
| MI                                     | 0         | NA        | 2           | 0        |
| MN                                     | 0         | NA        | 0           | 1        |
| MS                                     | 24        | NA        | 40          | 34       |
| MO                                     | 0         | NA        | 4           | 1        |
| NE                                     | 0         | NA        | 0           | 0        |
| NC                                     | 4         | NA        | 2           | 2        |
| ND                                     | 0         | NA        | 0           | 0        |
| OH                                     | 0         | NA        | 7           | 1        |
| SD                                     | 0         | NA        | 0           | 0        |
| TN                                     | 0         | NA        | 3           | 1        |
| WI                                     | 0         | NA        | 0           | 0        |
| 18 Sts                                 | 2         | NA        | 6           | 2        |
| 18 States planted 95% of 2012 soy acg. |           |           |             |          |

| Winter Wheat Condition by Percent |    |    |    |    |    |
|-----------------------------------|----|----|----|----|----|
|                                   | VP | P  | F  | G  | EX |
| AR                                | 1  | 7  | 40 | 41 | 11 |
| CA                                | 0  | 0  | 10 | 45 | 45 |
| CO                                | 2  | 13 | 41 | 38 | 6  |
| ID                                | 1  | 1  | 18 | 64 | 16 |
| IL                                | 0  | 1  | 15 | 56 | 28 |
| IN                                | 1  | 2  | 21 | 61 | 15 |
| KS                                | 2  | 5  | 25 | 51 | 17 |
| MI                                | 2  | 7  | 26 | 52 | 13 |
| MO                                | 1  | 4  | 25 | 52 | 18 |
| MT                                | 2  | 11 | 36 | 44 | 7  |
| NE                                | 1  | 5  | 30 | 53 | 11 |
| NC                                | 0  | 1  | 11 | 67 | 21 |
| OH                                | 2  | 11 | 36 | 41 | 10 |
| OK                                | 1  | 3  | 19 | 53 | 24 |
| OR                                | 0  | 8  | 22 | 53 | 17 |
| SD                                | 0  | 5  | 35 | 48 | 12 |
| TX                                | 15 | 17 | 32 | 28 | 8  |
| WA                                | 0  | 2  | 14 | 65 | 19 |
| 18 Sts                            | 3  | 7  | 27 | 48 | 15 |
| Prev Wk                           | 4  | 7  | 25 | 50 | 14 |
| Prev Yr                           | 19 | 21 | 25 | 29 | 6  |

| Corn Percent Emerged                                     |           |           |             |          |
|--|-----------|-----------|-------------|----------|
|  | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |
| CO   | 0         | NA        | 1           | 0        |
| IL   | 1         | NA        | 21          | 1        |
| IN   | 0         | NA        | 10          | 1        |
| IA   | 0         | NA        | 1           | 0        |
| KS   | 4         | NA        | 11          | 2        |
| KY   | 0         | NA        | 35          | 9        |
| MI   | 0         | NA        | 0           | 0        |
| MN   | 0         | NA        | 0           | 0        |
| MO   | 4         | NA        | 21          | 5        |
| NE   | 0         | NA        | 1           | 0        |
| NC   | 22        | NA        | 47          | 23       |
| ND   | 0         | NA        | 0           | 0        |
| OH   | 0         | NA        | 2           | 0        |
| PA   | 0         | NA        | 1           | 0        |
| SD   | 0         | NA        | 0           | 0        |
| TN   | 13        | NA        | 61          | 20       |
| TX   | 53        | NA        | 53          | 56       |
| WI   | 0         | NA        | 0           | 0        |
| 18 Sts   | 2         | NA        | 9           | 2        |
| These 18 States planted 92% of last year's corn acreage. |           |           |             |          |

| Oats Percent Emerged                  |           |           |             |          |    |
|---------------------------------------|-----------|-----------|-------------|----------|----|
|                                       | Prev Year | Prev Week | Apr 22 2012 | 5-Yr Avg |    |
| IA                                    | 20        | 45        | 57          | 18       |    |
| MN                                    | 0         | 19        | 36          | 6        |    |
| NE                                    | 18        | 35        | 49          | 23       |    |
| ND                                    | 0         | 3         | 6           | 0        |    |
| OH                                    | 3         | 21        | 36          | 9        |    |
| PA                                    | 1         | 42        | 46          | 12       |    |
| SD                                    | 1         | 43        | 58          | 6        |    |
| TX                                    | 100       | 100       | 100         | 100      |    |
| WI                                    | 0         | 10        | 21          | 6        |    |
| 9 Sts                                 | 38        | 51        | 58          | 41       |    |
| 9 States planted 62% of 2012 oat acg. |           |           |             |          |    |
| Oat Condition by Percent              |           |           |             |          |    |
|                                       | VP        | P         | F           | G        | EX |
| IA                                    | 1         | 2         | 32          | 54       | 11 |
| MN                                    | 0         | 2         | 24          | 71       | 3  |
| NE                                    | 0         | 2         | 21          | 70       | 7  |
| ND                                    | 0         | 5         | 20          | 50       | 25 |
| OH                                    | 0         | 1         | 18          | 72       | 9  |
| PA                                    | 0         | 14        | 36          | 39       | 11 |
| SD                                    | 0         | 0         | 17          | 70       | 13 |
| TX                                    | 5         | 5         | 22          | 48       | 20 |
| WI                                    | 0         | 2         | 48          | 45       | 5  |
| 9 Sts                                 | 2         | 4         | 27          | 53       | 14 |
| Prev Wk                               | NA        | NA        | NA          | NA       | NA |
| Prev Yr                               | NA        | NA        | NA          | NA       | NA |

VP - Very Poor; P - Poor; F - Fair; G - Good; EX - Excellent  
 NA - Not Available; \*Revised

## 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 Crop Progress and Condition Reports published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop reports are available on the Internet through the NASS Home Page on the World Wide Web at <http://www.nass.usda.gov>.*

**ALABAMA:** Days suitable for fieldwork 5.3. Topsoil moisture 5% very short, 25% short, 69% adequate, and 1% surplus. Corn planted 87%, 75% last week, 71% 2011, and 74% five-year average. Corn emerged 69%, 51% last week, 46% 2011, and 48% five-year average. Corn condition 2% poor, 21% fair 66% good and 11% excellent. Soybeans planted 6%, 4% last week, 0% 2011, and 4% five-year average. Soybean condition 1% fair, 61% good, and 38% excellent. Hay Harvested-First Cutting 25%, 13% last week, 0% 2011, and 0% five-year average. Winter wheat headed 88%, 79% last week, 54% 2011, and 23% five-year average. Winter wheat condition 3% poor, 17% fair, 71% good, and 9% excellent. Livestock condition 2% poor, 18% fair, 70% good, and 10% excellent. Pasture and range condition 1% very poor, 5% poor, 26% fair, 61% good, and 7% excellent. The week's average mean temperatures ranged from 59.4 F in Haleyville and Hamilton, to 69.2 F in Enterprise and Montgomery; total precipitation ranged from .42 inches in Sand Mountain and Huntsville, to 2.70 inches in Hamilton. Alabama producers and farmers received much needed rain that enhanced growth for pasture and cool seasonal grasses. Some heavy rains caused some wheat damage but warm weather should revive wheat yields. Reports of armyworms in small grains were treatable. Field work slowed this week because of good slow rain.

**ALASKA: DATA NOT AVAILABLE**

**ARIZONA:** Temperatures were mostly above normal for the week ending April 22, ranging from 3 degrees above normal at Parker to 9 degrees above normal at two weather stations, Grand Canyon and Prescott. The highest temperature of the week was 107 degrees at Roll. The lowest reading was 23 degrees at Grand Canyon. There was precipitation recorded in one weather station, 0.01 inches in Winslow. All weather stations have below normal precipitation to date in 2012. Alfalfa conditions remain mostly fair to excellent, depending on location. Harvesting has occurred on nearly 80 percent of the growing areas across the State. Nearly three-fourths of the State's durum wheat crop has headed. Central Arizona growers shipped broccoli, cabbage, kale greens and parsley. Western Arizona growers shipped bok choy, cabbage, kale greens, Boston, green leaf, iceberg, red leaf, romaine, and processed lettuces. Also shipped this week were spinach and Swiss chard. Rangeland conditions continue to deteriorate even with the precipitation received the previous weekend. Many areas reported some benefit from the precipitation. But, insufficient moisture was received to provide any long term benefits. Conditions ranged from very poor to good.

**ARKANSAS:** Days suitable for fieldwork 5.3. Topsoil moisture 2% very short, 10% short, 80% adequate, and 8% surplus. Subsoil moisture 1% very short, 9% short, 81% adequate, and 9% surplus. Corn 97% planted, 84% 2011, 78% avg.; 89% emerged, 59% 2011, 55% avg. Sorghum 68% emerged, 28% 2011, 22% avg. Soybeans 16% emerged, 6% 2011, 4% avg. Livestock were in good condition. Pasture and range condition was mostly fair to good. Armyworms continued to damage wheat and forages with some movement into other crops.

**CALIFORNIA:** Warm and dry weather conditions accelerated the maturation progress for the wheat crop. With over 75% of the crop headed, producers reported, later planted grain fields were progressing well. Some early planted grains were cut for hay and silage in preparation for double cropping. Wheat conditions continued to be rated mostly good to excellent. Oat hay cutting continued. Warmer soil temperatures were benefiting corn and cotton as cotton producers

were planting at a rapid pace. Cotton producers have planted over 25% of the cotton crop. Rice producers continue preparations for planting. Plum, peach, apricot, and nectarine fruit was developing. Cherry bloom was complete. Prunes were leafing out in Sutter and Yuba Counties. Weed treatments and bloom sprays continued in stone fruit orchards. In the San Joaquin Valley, recent hail storms resulted in damage to apricot, peach and cherry orchards. Grape and kiwi vines were in the shoot elongation stage. Pomegranates and persimmons continued to leaf out. Apples were blooming and leafing out. Olive groves were pruned. Orange and avocado trees were in bloom in early locations as bees were moved into citrus groves in preparation of full bloom. Navel oranges, tangerines, tangelos and lemons continued to be harvested and packed for export. The harvesting of late variety navel oranges and early Valencia oranges began to pick up. Almond bloom was over as trees were leafing out and nuts were growing larger. Hail damage was apparent in a few areas of the San Joaquin Valley from recent storms. Walnuts were in full bloom. Growers were applying blight sprays. Pistachios continued to bloom in Madera. Walnuts, almonds, and pistachios continued to be exported. Tulare County reported that onions and sweet peas continued to be harvested and sold at road side stands and that eggplant, tomatoes, peppers and squash were being planted. In Kern County, processing tomatoes and carrots were being planted and harvested respectively. Fresno County reported harvesting of broccoli and lettuce was going strong. In Stanislaus County, tomatoes were being planted. San Joaquin County reported continued harvesting of asparagus with limited acreage of hail damage. Processing tomatoes were being transplanted. In Sutter County, processing tomato seedlings were planted. Non-irrigated rangeland continued to improve in response to late spring rains. Germination of range grasses and forbs was reported across the State. Livestock continued to be moved to rangeland in some areas. Supplemental feeding of livestock diminished as nutrient value and volume of grasses increased. Sheep and cattle grazed on retired farmland and alfalfa fields. Pollination activities were winding down for the year. Bees were working prune orchards, being moved to citrus, or shipped out-of-State.

**COLORADO:** Days suitable for field work 6.3. Topsoil moisture 13% very short, 37% short, 50% adequate. Subsoil moisture 14% very short, 42% short, 44% adequate. Barley 60% planted, 51% 2011, 50% avg.; 36% emerged, 18% 2011, 19% avg. Spring wheat 57% planted, 40% 2011, 39% avg.; 17% emerged, 9% 2011, 12% avg. Winter Wheat 1% pastured, 5% 2011, 4% avg.; 52% jointed, 25% 2011, 30% avg. Sugarbeets 45% planted, 17% 2011, 32% avg.; 2% Up to Stand, 0% 2011, 0% avg. Summer potatoes 50% planted, 17% 2011, 19% avg.; 3% emerged, 0% 2011, 0% avg. Dry onions 88% planted, 70% 2011, 72% avg. Livestock condition 3% poor, 23% fair, 68% good, 4% excellent. Scattered showers, but still received below average precipitation with above average temperatures. Mountain snowpack is 38 percent of average raising concerns about the availability of irrigation water.

**DELAWARE:** Days suitable for fieldwork 6.3. Topsoil moisture 3% very short, 42% short, 55% adequate. Subsoil moisture 3% very short, 42% short, 55% adequate. Hay supplies 4% very short, 25% short, 71% adequate. Pasture condition 3% very poor, 14% poor, 26% fair, 49% good, 8% excellent. Winter wheat condition 2% poor, 21% fair, 52% good, 25% excellent. Barley condition 3% poor, 20% fair, 52% good, 25% excellent. Corn planted 29%, 9% 2011, 14% avg. Barley headed 92%, 13% 2011, 16% avg. Winter Wheat headed 34%, 1% 2011, 1% avg. Cantaloupes planted 6%, 1% 2011, 1% avg. Cucumbers planted 1%, 1% 2011, 1% avg. Green Peas planted 83%,

58% 2011, 75% avg. Potatoes planted 58%, 53% 2011, 62% avg. Snap Beans planted 12%, 1% 2011, 4% avg. Sweet Corn planted 20%, 11% 2011, 9% avg. Tomatoes planted 1%, 1% 2011, 1% avg. Watermelons planted 9%, 1% 2011, 0% avg. Apples bloomed 83%, 21% 2011, 40% avg. Peaches bloomed 98%, 39% 2011, 75% avg. Strawberries bloomed 80%, 56% 2011, 45% avg. Many farmers stopped planting corn early last week because there was inadequate soil moisture to allow the seed to begin the germination process.

**FLORIDA:** Topsoil moisture 21% very short, 43% short, 35% adequate, 1% surplus. Subsoil moisture 14% very short, 48% short, 37% adequate, 1% surplus. North; peanut and cotton field preparation. Hastings area; potato harvest continued. Drought causing vegetable farmers to irrigate more. Vegetables in good condition. AMS market movement; blueberries, cantaloupe, watermelon, snap beans, cabbage, sweet corn, cucumber, eggplant, okra, bell peppers, radishes, squash, and tomatoes. Drought conditions in citrus region ranged from moderate on east coast to extreme on west coast. Section of severe drought in central Florida has expanded. Valencia harvest continued to average over 5 million boxes weekly. Abundant fruit of various sizes as new crop progresses. Harvesting and young tree care primary grove activities. Pasture Condition 10% very poor, 35% poor, 45% fair, 9% good, 1% excellent. Cattle Condition 1% very poor, 9% poor, 55% fair, 33% good, 2% excellent. Statewide; pasture condition very poor to excellent, most poor to fair due to drought, above normal temperatures. Cattle fed supplemental hay. Cattle condition very poor to excellent. Panhandle; pasture condition very poor to excellent, mostly good. North; pasture, cattle conditions mostly fair. Central; pasture condition mostly poor to fair. Stock pond water at critical levels. Pastures improved the last ten days due to rain. Southwest; pasture condition mostly poor to fair. Rain helped pasture grasses. Cattle condition very poor to good, mostly fair.

**GEORGIA:** Days suitable for fieldwork 5.5. Topsoil moisture 11% very short, 35% short, 49% adequate, 5% surplus. Subsoil moisture 20% very short, 37% short, 41% adequate, 2% surplus. Range and Pasture 5% very poor, 9% poor, 44% fair, 35% good, 7% excellent. Blueberries 15% very poor, 11% poor, 23% fair, 29% good, 22% excellent. Corn 2% poor, 23% fair, 59% good, 16% excellent. Corn Planted 94%, 91% 2011, 88% avg. Oats, 3% poor, 41% fair, 45% good, 11% excellent. Onions 18% poor, 55% fair, 26% good, 1% excellent. Onions Harvested 36%, 33% 2011, 16% avg. Peaches 13% poor, 44% fair, 15% good, 28% excellent. Rye 3% poor, 50% fair, 45% good, 2% excellent. Sorghum Planted 10%, 15% 2011, 12% avg. Soybean Planted 1%, 1% 2011, 2% avg. Tobacco 56% fair, 44% good, 0% excellent. Tobacco Transplanted 82%, 66% 2011, 59% avg. Watermelons 3% poor, 31% fair, 54% good, 12% excellent. Watermelons Planted 87%, 88% 2011, 85% avg. Winter Wheat 1% very poor, 6% poor, 36% fair, 45% good, 12% excellent. Precipitation estimates for the State ranged from less than 0.25 inches up to 3 inches. Average high temperatures ranged from the upper 60's to the lower 80's. Average low temperatures ranged from the lower 50's to the mid 60's.

**HAWAII:** Days suitable for fieldwork 7.0. Topsoil moisture 35% very short, 25% short, 40% adequate. Very light precipitation fell this week, mostly occurring over the weekend at the end of the reference week. The average rainfall for the state was 0.46 inches. Conditions of pasture and range declined, as very little precipitation was received this week. Rain gages indicated monthly totals which are far behind schedule to meet historic April rainfall totals. State irrigation reservoirs remained adequately full from March storms and ensured proper crop development in areas where available.

**IDAHO:** Days suitable for field work 5.8. Topsoil moisture 2% very short, 7% short, 80% adequate, 11% surplus. Field corn planted 8%, 1% 2011, 10% avg. Winter wheat jointed 14%, 11% 2011, 12% avg; boot stage 0%, 0% 2011, 1% avg. Onions emerged 20%, 18% 2011, 39% avg. Potatoes planted 42%, 7% 2011, 12% avg; emerged 2%, 0% 2011, 1% avg. Oats planted 55%, 39% 2011, 45% avg; emerged

30%, 10% 2011, 23% avg. Dry peas planted 16%, 36% 2011, 25% avg. Lentils planted 2%, 16% 2011, 12% avg. Calving complete 96%, 99% 2011, 97% avg. Hay and roughage supply 18% very short, 15% short, 58% adequate, 9% surplus. Irrigation water supply 14% fair, 64% good, 22% excellent. Sugarbeets emerged 15%, 3% 2011, 12% avg. Range and pasture 2% poor, 24% fair, 67% good, 7% excellent. Twin Falls extension educator reported irrigation season has begun. Franklin extension educator reported conditions have been very good for both crops and livestock this spring.

**ILLINOIS:** Days suitable for fieldwork 3.9. Topsoil moisture 3% very short, 25% short, 61% adequate, and 11% surplus. Subsoil moisture 3% very short, 33% short, 61% adequate, and 3% surplus. Oats planted 97% this week, 70% last year, 65% average; condition 2% poor, 16% fair, 69% good, 12% excellent. Red clover condition 1% poor, 16% fair, 68% good, 15% excellent. Pasture condition 3% poor, 19% fair, 61% good, 14% excellent. Most of the State experienced cool temperatures and sporadic rainfall last week. Temperatures averaged 53.2 degrees, 1.5 degrees below normal. Statewide precipitation averaged 0.76 inches, 0.18 inches below normal. Frost conditions continued in parts of the State with wheat, hay, and emerged corn showing signs of damage.

**INDIANA:** Days suitable for fieldwork 5.0. Topsoil moisture 5% very short, 27% short, 59% adequate, 9% surplus. Subsoil moisture 4% very short, 23% short, 69% adequate, 4% surplus. Winter wheat jointed 69%, 33% 2011, 38% avg. Pasture condition 1% very poor, 4% poor, 22% fair, 58% good, 15% excellent. Temperatures ranged from 1o below normal to 8o above normal with a low of 33o and a high of 81o. Precipitation ranged from 0.20 to 1.00 inches. Planting of corn and soybeans rapidly advanced during the week. Some farmers have completed planting their corn acreage while others have not started because of the earliness of the season. However, planting of corn and soybeans continued at a record pace, moving ahead of 2010 when approximately 39 percent of the corn and 6 percent of the soybeans had been planted. Cool temperatures and dry topsoil conditions in some areas have slowed emergence and growth of the major field crops. Frost has caused some damage to crops but the extent is still being monitored at this time. Some hay has already been cut, which is very early. Livestock are reported to be in mostly good condition at this time. Calving and lambing went very well this spring with few problems reported.

**IOWA:** Days suitable for fieldwork 1.8, compared to 4.5 days the previous week. The days suitable for fieldwork ranged from a low of 1.1 days in North Central and Central Iowa to a high of 3.4 days in South East Iowa. Topsoil moisture levels improved to 2 percent very short, 10 percent short, 72 percent adequate, and 16 percent surplus. Subsoil moisture also improved and was rated 10 percent very short, 24 percent short, 59 percent adequate, and 7 percent surplus. Weather conditions were unfavorable for most of the State this week as Iowa experienced several cool, rainy days. Many farmers were anxious for fields to dry out enough so fieldwork and planting activities can resume.

**KANSAS:** Days suitable for fieldwork 5.6. Topsoil moisture 4% very short, 13% short, 77% adequate, 6% surplus. Subsoil moisture 5% very short, 19% short, 73% adequate, 3% surplus. Winter wheat jointed 97%, 59% 2011, 62% avg.; wind damage 85% none, 10% light, 4% moderate, 1% severe; insect infestation 75% none, 19% light, 5% moderate, 1% severe; disease infestation, 61% none, 26% light, 11% moderate, 2% severe. Alfalfa cutting progress 14%, 0% 2011, 0% avg. Range and pasture condition 11% very poor, 12% poor, 33% fair, 39% good, 5% excellent. Feed grain supplies 6% very short, 16% short, 76% adequate, 2% surplus. Hay and forage supplies 14% very short, 20% short, 64% adequate, 2% surplus. Stock water supplies 5% very short, 10% short, 82% adequate, 3% surplus. Temperatures continued to be mostly above normal across Kansas last week with only light precipitation. Thirty-four of the 53 stations received no precipitation while only two stations received more than half an inch. Columbus and Pittsburg in the Southeast District received 0.58 inches and 0.51

inches, respectively. High temperatures ranged from the mid 70's to mid 80's, and low temperatures ranged from the low 30's to low 40's. Eight stations reported low temperatures at or below freezing, and six stations reported average temperatures below normal. Producers continue to spray wheat for insects and disease, plant corn, and cut alfalfa, while a few producers have begun to plant soybeans, sorghum, and cotton. The Kansas wheat crop continues to progress three weeks ahead of the average. Nearly all the crop has jointed, as the Statewide average is 97 percent, ahead of 59 percent last year and the 5-year average of 62 percent. The Northwest and West Central districts are below 10 percent headed while the South Central and Southeast districts are more than 80 percent headed. While the western districts are still below 10 percent corn planted, the Southeast district already has 54 percent of the crop emerging. Cattle continued to be turned out to spring pasture last week, while a few producers were still repairing farm structures due to damage from the previous week's storms.

**KENTUCKY:** Days suitable fieldwork 5.7. Topsoil 6% very short, 34% short, 56% adequate, 4% surplus. Subsoil moisture 4% very short 24% short, 68% adequate, 4% surplus. Rainfall averaged 0.61 inches Statewide, 0.38 in. below normal. Most precipitation in central locations, most of the State abnormally dry. Temperatures averaged 57 degrees near normal for the week. Dry, cool conditions slowed germination of corn, soybeans. Tobacco transplants 39% under 2 in high, 35% 2-4 in. 26% over 4 in. Tobacco set may start this week. Winter wheat condition 8% poor, 27% fair, 52% good, 13% excellent. Alfalfa harvest continued. Plant and forage growth continued 2 to 3 weeks ahead of normal. Fruit, berries damaged by frost. Wheat head damage mostly light with a few areas showing considerable damage.

**LOUISIANA:** Days suitable for fieldwork 4.4. Soil moisture 2% very short, 2% short, 69% adequate, 27% surplus. Corn Planted 100% this week, 99% last week, 100% last year, 100% average; emerged 98% this week, 92% last week, 99% last year, 96% average; condition 16% fair, 64% good, 20% excellent. Winter Wheat headed 100% this week, 99% last week, 99% last year, 94% average; turning color 52% this week, 27% last week, 34% last year, 13% average; condition 5% poor, 24% fair, 63% good, 8% excellent. Hay first cutting 23% this week, 17% last week, 22 last year, 13% average. Livestock condition 1% very poor, 4% poor, 28% fair, 59% good, 8% excellent. Vegetables condition 2% very poor, 6% poor, 30% fair, 54% good, 8% excellent. Range and Pasture condition 1% very poor, 3% poor, 23% fair, 62% good, 11% excellent. Sugarcane condition 1% very poor, 6% poor, 25% fair, 46% good, 22% excellent.

**MARYLAND:** Days suitable for fieldwork 6.1. Topsoil moisture 15% very short, 37% short, 48% adequate. Subsoil moisture 8% very short, 37% short, 55% adequate. Hay supplies 6% very short, 17% short, 77% adequate. Pasture condition 2% very poor, 6% poor, 33% fair, 57% good, 2% excellent. Winter wheat condition 3% very poor, 4% poor, 16% fair, 68% good, 9% excellent. Barley condition 5% very poor, 7% poor, 25% fair, 51% good, 12% excellent. Corn planted 22%, 5% 2011, 11% avg. Barley headed 79%, 15% 2011, 5% avg. Winter Wheat headed 39%, 1% 2011, 3% avg. Cantaloupes planted 11%, 1% 2011, 3% avg. Cucumbers planted 10%, 3% 2011, 6% avg. Green Peas planted 72%, 85% 2011, 71% avg. Potatoes planted 92%, 52% 2011, 68% avg. Snap Beans planted 8%, 3% 2011, 7% avg. Sweet corn planted 21%, 8% 2011, 16% avg. Tomatoes planted 11%, 5% 2011, 11% avg. Watermelons planted 4%, 1% 2011, 2% avg. Apples bloomed 99%, 53% 2011, 41% avg. Peaches bloomed 96%, 41% 2011, 51% avg. Strawberries bloomed 67%, 39% 2011, 55% avg. Corn planting held up by lack of rain. Some spotty showers last week were not enough to alleviate dry conditions. Rain finally came on Sunday.

**MICHIGAN:** Days suitable for fieldwork 5. Topsoil 2% very short, 12% short, 76% adequate, 10% surplus. Subsoil 2% very short, 12% short, 80% adequate, 6% surplus. Pasture 3% very poor, 7% poor, 40% fair, 42% good, 8% excellent. Oats 1% poor, 40% fair, 47% good, 12% excellent; planted 74%, 14% 2011, 37% avg; emerged 44%, 2%

2011, 11% avg. Freeze events and colder than normal temperatures last week have generally slowed widespread planting. Growers in Southeast exception where some additional corn and a few soybean acres planted. Growers have made excellent progress preparing fields for planting. Wheat growth still ahead of normal due to warm March weather. Wheat southwest Feekes 7.0. Some nitrogen application injury noted and appeared worse than normal due to cool temperatures. Sugarbeet emergence aided by warm rains Friday. Very little replanting is anticipated at this time. Phenology moved slowly, and overnight temperatures in the twenties caused more frost damage fruit. Apple bloom continued, and severe bloom damage noted some orchards. Tart cherry bloom ended southwest and began northwest. Growers of juice grapes will assess whether potential for a reduced crops warrants a full spray program. Wine grapes had far less bud damage than Concord, because most varieties develop later, and they are generally on better sites. Some peach fruit bud damage occurred; oriental fruit moth catches increased. Pears at petal fall to early shuck southeast. Strawberry fields without sprinklers for freeze protection, many flowers had frost damage. Blueberries late pink bud to first bloom. Plums ranged from shuck to early fruit set. Many emerging canes and leaves on raspberries burned from freezes. In West Central, asparagus harvest is anticipated for next week if frost damage does not kill emerged spears. Planting of asparagus crowns continues. Onion and celery planting under row covers continues. Southwest, cabbage looks very good. No tomatoes have been planted except a few under plastic tunnels. Processing tomato growers plan to plant about a week.

**MINNESOTA:** Days suitable for fieldwork 2.9. Topsoil moisture 4% Very Short, 21% Short, 69% Adequate, 6% Surplus. Pasture 11% Poor, 38% Fair, 47% Good, 4% Excellent. Corn land prepared 36%, 2% 2011, 20% avg. Soybeans land prepared 13%, 1% 2011, 5% avg. Potatoes 41% Planted, 0% 2011, 14% avg. Canola 9% Planted, 0% 2011, 7% avg. Sunflowers 0% Planted, 0% 2011, 1% avg. Sweet Corn 3% Planted, 0% 2011, 1% avg. Green Peas 44% Planted, 0% 2011, 12% avg. Above average precipitation was reported across the State, improving soil moisture supplies. Average rainfall amounts varied from 0.76 inch in northeastern areas to 1.85 inches in west central areas.

**MISSISSIPPI:** Days suitable for fieldwork 4.1. Soil moisture 2 percent short, 81 percent adequate and 17 percent surplus. Corn 96% planted, 93% 2011, 92% avg.; 89% emerged, 81% 2011, 79% avg.; 3% poor, 21% fair, 53% good, 23% excellent. Sorghum 38% planted, 33% 2011, 29% avg.; 25% emerged, 10% 2011, 11% avg. Peanuts 12% planted, 0% 2011, 0% avg. Wheat 100% jointing, 100% 2011, 99% avg.; 98% heading, 90% 2011, 76% avg.; 13% mature, 0% 2011, 0% avg.; Wheat 5% poor, 25% fair, 54% good, 16% excellent. Watermelons 69% planted, 73% 2011, 77% avg.; 96% fair, 4% good. Hay 21% planted, 30% 2011, 22% avg. Blueberries 1% poor, 41% fair, 20% good, 38% excellent. Cattle 5% poor, 37% fair, 39% good, 19% excellent. Mississippi had another week with heavy rains that limited the time farmers spent in the fields. Growing Conditions for watermelons, as compared to last week, were affected by the wet weather and cool temperature. Most of the corn is planted with conditions mostly good.

**MISSOURI:** Days suitable for fieldwork 4.1. Precipitation 0.67 inches. Temperatures were 1 to 5 degrees below average. Topsoil moisture supply 1% very short, 10% short, 78% adequate, 11% surplus. Ground worked spring tillage 77%, nearly 1 month ahead of 2011 and normal (5-yr avg). Alfalfa hay 1st cutting 9%. Other hay cut 5%. Pasture condition 1% very poor, 4% poor, 26% fair, 56% good, and 13% excellent. Rice planting remained nearly a month ahead of last year and normal.

**MONTANA:** Days suitable for field work 5.2, 1.3 last year. Topsoil moisture 11% very short, 0% last year; 34% short, 2% last year; 52% adequate, 56% last year; 3% surplus, 42% last year. Subsoil moisture 10% very short, 0% last year; 35% short, 3% last year; 50% adequate, 75% last year; 5% surplus, 22% last year. Camelina planted 35%, 12%

last year; emerged 11%. Corn planted 6%. Dry peas planted 50%, 1% last year; emerged 1%. Lentils planted 50%, 0% last year; emerged 1%. Oats planted 48%, 2% last year; emerged 14%. Sugar beets planted 40%, 9% last year; emerged 5%. Durum Wheat planted 37%. Winter Wheat – spring stages 0% still dormant, 25% last year; 19% greening, 45% last year; 81% green & growing, 30% last year. Range and pasture feed condition 4% very poor, 4% last year; 19% poor, 10% last year; 42% fair, 37% last year; 30% good, 45% last year; 5% excellent, 4% last year. Livestock grazing 73% open, 62% last year; 17% difficult, 17% last year; 10% closed, 21% last year. Cattle and calves receiving supplemental feed 71%, 85% last year. Sheep and lambs receiving supplemental feed 67%, 83% last year. Livestock moved to summer ranges – cattle and calves 12%. Livestock moved to summer ranges – sheep and lambs 5%. Calving complete 81%; 79% last year. Lambing complete 64%; 65% last year. A warm, sunny weekend followed a week of scattered showers for nearly all of Montana last week with measurable precipitation across most of the State. Nye and Thompson Falls received the highest amount of precipitation for the week with 0.73 of an inch of moisture and most other stations saw 0.03 to 0.67 of an inch. High temperatures ranged from the upper 50s to mid 80s, with the Statewide high temperature of 85 degrees recorded at Drummond. A majority of stations reported lows in the upper teens to mid 30s, the coldest being West Yellowstone at 16 degrees, followed by Goldbutte with 18 degrees.

**NEBRASKA:** Days suitable for fieldwork 4.3. Topsoil moisture 5% very short, 21% short, 72% adequate, and 2% surplus. Subsoil moisture 9% very short, 34% short, 56% adequate, and 1% surplus. Wheat jointed 59%, 9% 2011, 13% avg. Alfalfa 1st cutting 5%. Alfalfa conditions rated 4% poor, 28% fair, 53% good, 15% excellent. Pasture and range conditions rated 1% very poor, 6% poor, 33% fair, 54% good, 6% excellent. Cattle and calves conditions 6% fair, 73% good, 21% excellent. Cows calved 92% complete. Calf losses rated 32% below average, 67% average and 1% above average.

**NEVADA:** Days suitable for fieldwork 7. Breezy, cloudy weather was common early in the week as mild storm systems crossed the State. High pressure moved in later in the week resulting in record high temperatures by the weekend. Scattered rain showers fell across central and eastern Nevada. Ely recorded 0.20 inches of rainfall, while western and southern areas of the State recorded nil. Weekly average temperatures ranged from eight to eleven degrees above normal. Las Vegas temperature hit 99 degrees. Elko, Ely, and Winnemucca each recorded low temperatures of 24 degrees. Rain showers slowed field work in parts of the east. Seeding of spring crops continued elsewhere. Fall seeded crops were invigorated by the warmer temperatures and early spring seeded fields were emerging. Alfalfa fields showed some growth. Irrigation was underway and ditches were being cleaned. Calving and lambing were in full swing. Main farm and ranch activities included irrigating, planting, ditch burning and weed control.

**NEW ENGLAND:** Days suitable for fieldwork 6.3. Topsoil moisture 16% very short, 40% short, 32% adequate, 12% surplus. Subsoil moisture 7% very short, 43% short, 43% adequate, 7% surplus. The week began with record breaking temperatures ranging from the low 70s to mid-90s. Temperatures cooled by Wednesday but remained above average throughout New England during the middle of the week. Brush fire danger conditions persisted until a rainstorm moved into the region by the end of the week. Significant precipitation alleviated drought concerns across New England. General activities included working in nurseries and greenhouses, tending to livestock, spraying fertilizers, spreading manure, disking, plowing, irrigating, and planting a variety of vegetables and field crops.

**NEW JERSEY:** Days suitable for field work 6. Topsoil moisture 30% very short, 30% short, and 40% adequate. Subsoil moisture 10% very short, 45% short, and 45% adequate. Pasture and Range condition 15% very poor, 15% poor, 30% fair, and 40% good. There were measurable amounts of rainfall towards the end of the week. Temperatures reached highs in the low 80s to low 90s and lows in the

upper 30s to mid 40s across the Garden State. The majority of winter wheat had headed and the condition was 40% fair and 60% good. Extremely dry conditions prevailed until the rain late Saturday and Sunday. The rain alleviated some producer concerns about seed germination. Spinach harvest began this week while asparagus harvest continues. Strawberry, blueberry, and peach crops are progressing. Peaches may have suffered some additional frost damage early last week but still should have a crop. Apples condition is good. Producers continue to work the fields. The welcome moisture will make continued plowing and planting go easier. Farmers are planting corn, squash, cucumbers, and tomatoes. Cooler temperatures have slowed the season back closer to normal.

**NEW MEXICO:** Days suitable for fieldwork 6.8. Topsoil moisture 63% very short, 27% short and 10% adequate. Wind damage 18% light, 9% moderate and 6% severe; 50% winter wheat damaged and 20% onion damage to date. Freeze damage 8% light; 1% winter wheat damaged and 3% onion damage. Alfalfa 3% very poor, 10% poor, 40% fair, 40% good and 7% excellent; 22% first cutting complete. Cotton 36% planted. Corn 10% planted. Irrigated winter wheat 3% very poor, 9% poor, 68% fair, 8% good 12% excellent; 20% headed; 59% grazed. Dry winter wheat 59% very poor, 40% poor and 1% fair; 20% headed; 53% grazed. Total winter wheat 39% very poor, 29% poor, 24% fair, 4% good and 4% excellent; 20% headed; 55% grazed. Lettuce 11% good, 23% fair, 33% good and 33% excellent. Chile 2% very poor, 10% poor, 68% fair, 5% good and 15% excellent; 87% planted. Onion 32% fair, 53% good and 15% excellent. Cattle 26% very poor, 31% poor, 28% fair, 9% good and 3% excellent. Sheep 27% very poor, 44% poor, 25% fair and 4% good. Range and pasture 53% very poor, 26% poor, 11% fair, 8% good and 2% excellent. Temperatures this past week were very close to above normal, except in a few locations in the SE, which were below normal. Precipitation was recorded in locations in Central and NE New Mexico.

**NEW YORK:** Days suitable for fieldwork 6.0. Soil moisture 5% very short, 36% short, 57% adequate, and 2% surplus. Pasture conditions 2% very poor, 22% poor, 39% fair, 33% good, and 4% excellent. Oats 57% seeded, 3% 2011. Wheat condition 2% poor, 19% fair, 58% good, 21% excellent. Potatoes 12% planted. Apples 89% full bloom, 25% petal fall. Peaches 85% full bloom, 70% petal fall. Sweet cherries 95% full bloom, 39% petal fall. Tart cherries 98% full bloom, 74% petal fall. Vegetable planting underway. Sweet corn 8% planted, onions 2%, snap beans 2%, cabbage 3%.

**NORTH CAROLINA:** Days suitable for fieldwork 5.3, compared to 6.1 the previous week. Statewide soil moisture levels were rated at 15% short, 73% adequate and 12% surplus. The State received above normal precipitation and temperatures the week ending April 22, 2012. Weekend rain in many areas helped with soil moisture, but will push planting of corn, cotton, peanuts, soybeans and tobacco back a few days.

**NORTH DAKOTA:** Days suitable for fieldwork 4.0. Topsoil moisture supplies 6% very short, 15% short, 67% adequate, 12% surplus. Subsoil moisture supplies 1% very short, 12% short, 76% adequate, 11% surplus. Durum wheat planted 35% this week, 16% last week, 0% last year, 3% average; emerged 1% this week, 0% last week, 0% last year, 0% average. Canola planted 7% this week, 2% last week, 0% last year, 1% average. Dry edible peas planted 27% this week, 13% last week, 0% last year, 7% average; emerged 1% this week, 0% last year, 0% average. Potatoes planted 9% this week, 3% last week, 0% last year, 7% average. Hay and forage supplies were 2% short, 80% adequate, 18% surplus. Grain and concentrate supply 4% short, 81% adequate, 15% surplus. Calving and lambing 80% and 88% complete, respectively. Shearing 94% complete. Cow condition 1% poor, 7% fair, 72% good, 20% excellent. Calf condition 6% fair, 68% good, 26% excellent. Sheep condition 1% poor, 6% fair, 69% good, 24% excellent. Lamb condition 1% poor, 6% fair, 66% good, 27% excellent. The percentage of feed obtained from pasture and range for cattle and sheep were 26% and 21%, respectively. Pastures and ranges 74%

growing and 26% still dormant. Pasture and range conditions 4% very poor, 12% poor, 21% fair, 52% good, 11% excellent. The pace of planting gained momentum as it continued well ahead of average. Although reporters indicated fieldwork was slowed by precipitation in localized portions of the State, vast areas remained in good condition for fieldwork.

**OHIO:** Days suitable for field work, 6.0. Top soil moisture 1% very short, 27% short, 68% adequate, 4% surplus. Apples condition 15% very poor, 6% poor, 27% fair, 47% good, 5% excellent. Hay condition 2% poor, 29% fair, 58% good, 11% excellent. Livestock condition 1% poor, 14% fair, 64% good, 21% excellent. Range and Pasture condition 1% very poor, 5% poor, 25% fair, 50% good, 19% excellent. Peaches condition 18% very poor, 9% poor, 31% fair, 39% good, 3% excellent. Potatoes planted 33%, 2% 2011, 18% avg. Apples green tip (or beyond) 94%, 50% 2011, 67% avg. Apples full bloom (or beyond) 71%, 4% 2011, 18% avg. Peaches green tip (or beyond) 92%, 52% 2011, 65% avg. Peaches full bloom (or beyond) 76%, 14% 2011, 24% avg.

**OKLAHOMA:** Days suitable for fieldwork 5.0. Topsoil moisture 3% very short, 14% short, 75% adequate, 8% surplus. Subsoil moisture 8% very short, 28% short, 60% adequate, 4% surplus. Wheat soft dough 15% this week, n/a last week, n/a last year, n/a average. Canola condition 1% very poor, 4% poor, 20% fair, 52% good, 23% excellent; mature 36% this week, 9% last week, 22% last year, n/a average. Rye condition 1% very poor, 3% poor, 14% fair, 51% good, 31% excellent; headed 94% this week, 91% last week, 86% last year, 62% average; soft dough 15% this week, n/a last week, n/a last year, n/a average. Oats condition 1% very poor, 2% poor, 16% fair, 56% good, 25% excellent; jointing 80% this week, 66% last week, 55% last year, 61% average; headed 32% this week, 12% last week, 5% last year, 8% average. Corn planted 62% this week, 52% last week, 64% last year, 51% average; emerged 29% this week, 19% last week, 13% last year, 19% average. Sorghum seedbed prepared 67% this week, 65% last week, 58% last year, 49% average. Soybeans seedbed prepared 50% this week, 40% last week, 47% last year, 47% average; planted 5% this week, n/a last week, 5% last year, 5% average. Peanuts seedbed prepared 62% this week, 52% last week, 74% last year, 68% average. Cotton seedbed prepared 80% this week, 78% last week, 60% last year, 70% average. Alfalfa condition 1% very poor, 4% poor, 27% fair, 53% good, 15% excellent; 1st cutting 36% this week, n/a last week, n/a last year, n/a average. Other hay condition 1% very poor, 4% poor, 29% fair, 51% good, 15% excellent; 1st cutting 18% this week, n/a last week, n/a last year, n/a average. Watermelons planted 47% this week, 11% last week, 10% last year, 17% average. Livestock condition 1% very poor, 8% poor, 26% fair, 53% good, 12% excellent. Pasture and range condition 3% very poor, 9% poor, 31% fair, 47% good, 10% excellent. Most of the week was clear with average highs in the low 70s. Small grains and canola continued to thrive amid spring temperatures and replenished soil moisture from the previous week's rain. Heading of wheat and rye was nearing completion, and over a third of the canola crop was reported as mature. Some wheat has been cut for hay, as have other forages and over a third of alfalfa acres. Planting of sorghum, soybeans and peanuts began, and corn emerged was ahead of normal. The average rainfall for the State was only 0.2 of an inch.

**OREGON:** Days suitable for fieldwork 4.1. Topsoil moisture 6% short, 65% adequate, 29% surplus. Subsoil moisture 5% very short, 5% short, 68% adequate, 22% surplus. Spring Wheat Planted 83%, 66% 2011, 82% average; Emerged 46%, 24% 2011, 46% average. Barley Planted 76%, 67% 2011, 79% average; Emerged 42%, 50% 2011, 57% average. Range & Pasture 1% very poor, 13% poor, 39% fair, 40% good, 7% excellent. The week started out wet & cooler, but got unseasonably warm over the weekend. All but one station had higher than normal temperatures, with the State average being five degrees above normal at 52.5 degrees. Low temperatures ranged from 46 degrees in Crescent City & Medford, down to 24 degrees in Redmond. High temperatures ranged from 60 degrees in Crescent

City, up to 89 degrees in Medford. All 43 stations reported measurable precipitation with half of those receiving more than 0.5 inches. The State average for the week was 4 inches above normal. Astoria reported the most at 3.8 inches, which is 2.8 inches above normal for the week. Overall, the State is still 2.3 inches below the normal season accumulation. In Klamath County, after a mostly dry winter, spring brought snow pack up to almost normal. Water deliveries may be close to normal for the year. The week brought spring like weather. Favorable temperatures during the week with two days in the 70's. Wheat benefited from rain in north central & northwest Oregon. That coupled with warmer temperatures gave even the higher elevation crop a great boost. Some planting of grain crops in the Klamath area began. Heavy rain has continued to curtail spring planting in the south Willamette Valley. Washington County winter wheat was jointing, fertilizer & herbicide applications were being applied. Weed spraying in winter wheat, spot spraying in grass fields. Spring wheat & spring oats were being planted as weather permitted. Crimson & red clovers were beginning to put on some growth with recent warm temperatures. No insect or disease pressure so far. Established grass seed crops have been fertilized & herbicides applied. Growth looks good at this point. Little stripe rust pressure thus far reported for various regions. Fruit trees were in their various stages of bloom throughout the State, the warm temperatures at the end of the week accelerated development. Growers expected that their fruits were safe from freeze damage, but still had some concerns of damaging rain & hail. The improved temperatures also allowed for some spraying & mowing. Plums had set fruit in Douglas County, & peaches were at petal fall. Vineyards were pruning in the Rogue Valley. Brown rot control sprays were applied to stone fruit in the Willamette Valley. Hazelnut orchards were being cleaned of trimmings, mowed, & sprayed for Eastern Filbert Blight. Some ground was being worked for vegetable planting, although some soil was still quite damp. Early onions & peas were planted, along with other vegetables that could endure possible frosts. Garlic was doing very well. Some transplants of cole crops were being planted. Greenhouse herbs were abundant & some early vegetables were out, but still too wet & cold for most vegetables. They were also busy with getting out spring decorative plant starts. Nurseries were busy with sales of balled & bare root trees & shrubs. Potted evergreen shrubs were moved & ornamental trees were being shipped. Warmer weather & precipitation has improved pasture conditions. Cattle were turned out. Cows were blissfully grazing the green spring grasses.

**PENNSYLVANIA:** Days suitable for fieldwork 6. Soil moisture 8% very short, 42% short, 46% adequate, and 4% surplus. Spring plowing 76% this week, 59% last week, 13% last year, and 39% average. Barley headed 46% this week, 5% last week, 4% last year, and 5% average. Tobacco planted in beds 77% this week, 74% last week, 76% last year, and 59% average. Potatoes planted 35% this week, 3% last week, 1% last year, and 7% average. Apples in pink 99% this week, 83% last week, 7% last year, and 35% average; in full bloom 96% this week, 65% last week, 0% last year, and 20% average. Winter wheat condition 1% very poor, 2% poor, 17% fair, 55% good, 25% excellent. Alfalfa stand condition 5% poor, 32% fair, 49% good, 14% excellent. Timothy clover stand condition 2% poor, 46% fair, 39% good, 13% excellent. Pasture condition 4% very poor, 11% poor, 37% fair, 34% good, 14% excellent. Peaches condition 1% very poor, 7% fair, 21% good, 71% excellent. Field activities were spreading manure, lime and fertilizer as well as planting small grains and grasses.

**SOUTH CAROLINA:** Days suitable for fieldwork 6. Soil moisture 9% very short, 39% short, 51% adequate, 1% surplus. Corn 2% poor, 31% fair, 63% good, 4% excellent. Winter wheat 3% poor, 36% fair, 57% good, 4% excellent. Pasture condition 4% very poor, 7% poor, 40% fair, 48% good, 1% excellent. Oats 1% very poor, 3% poor, 30% fair, 64% good, 2% excellent. Tobacco 52% fair, 44% good, 4% excellent. Hay 2% poor, 54% fair, 43% good, 1% excellent. Peaches 64% fair, 35% good, 1% excellent. Snap beans, fresh 51% fair, 45% good, 4% excellent. Watermelons 41% fair, 59% good. Tomatoes, fresh 56% fair, 33% good, 11% excellent. Cantaloupe 42% fair, 58% good. Livestock condition 1% very poor, 4% poor, 33% fair, 60% good, 2% excellent.

Freeze damage 100% none. Corn planted 96%, 92% 2011, 88% avg; emerged 82%, 72% 2011, 66% avg. Soybeans planted 5%, 1% 2011, 1% avg. Winter wheat headed 97%, 68% 2011, 55% avg. Winter wheat turning color 10%, 1% 2011, 0% avg. Oats headed 97%, 75% 2011, 64% avg. Tobacco transplanted 79%, 66% 2011, 62% avg. Hay grain cut 40%, 25% 2011, 20% avg. Snap beans, fresh planted 84%, 53% 2011, 61% avg. Cucumbers, fresh planted 52%, 54% 2011, 60% avg. Watermelons planted 88%, 80% 2011, 77% avg. Tomatoes, fresh planted 98%, 90% 2011, 87% avg. Cantaloupe planted 80%, 65% 2011, 71% avg. A warm beginning to the week led to increased rainfall for much of South Carolina during the period ending April 22, 2012. Temperatures in the mid-eighties were observed through Tuesday evening. Storms appeared early Wednesday and continued throughout the weekend providing much needed rainfall to crops and pastures. Soil moisture conditions improved. Ninety-nine percent of the State remained in moderate drought condition according to the U.S. Drought Monitor. The State average temperature for the period was 3 degrees above normal. The State average rainfall for the week was 0.9 inches with some areas receiving 2 to 3 inches.

**SOUTH DAKOTA:** Days suitable for fieldwork 2.6. Topsoil moisture 11% short, 78% adequate, 11% surplus. Subsoil moisture 2% very short, 25% short, 68% adequate, 5% surplus. Winter wheat boot 8%, 0% 2011, 0% avg. Barley seeded 70%, 7% 2011, 16% avg; emerged 35%, 0% 2011, 1% avg. Cattle condition 1% poor, 5% fair, 71% good, 23% excellent. Calving 74% complete. Cattle moved to pasture 26% complete. Sheep condition 6% fair, 66% good, 28% excellent. Lambing 80% complete. Range and pasture condition 4% poor, 30% fair, 53% good, 13% excellent. Feed supplies 3% short, 88% adequate, 9% surplus. Stock water supplies 6% short, 88% adequate, 6% surplus. Little field work was done last week as farmers waited for the fields to dry across areas of the State. Major activities last week included field work between rains, fixing fence lines, lining up seed delivery, applying fertilizers and chemicals, caring for livestock, calving and lambing.

**TENNESSEE:** Days suitable for fieldwork 6.0. Topsoil moisture 3% very short, 28% short, 67% adequate, 2% surplus. Subsoil moisture 2% very short, 22% short, 72% adequate, 4% surplus. Hay 7% First Cutting, 0% 2011, 0% avg. Apples 94% blooming, 77% 2011, 78% avg. Corn condition 1% poor, 18% fair, 63% good, 18% excellent. Strawberry condition 3% poor, 17% fair, 67% good, 13% excellent. Range and Pasture condition 4% poor, 27% fair, 57% good, 12% excellent. Corn growers reported all that remains for planting are some bottom land and silage fields. Soybean planting started. Recent freeze damage assessment in progress. Nurseries, vineyards, and orchards hit hardest. Freeze damage minimal for corn, wheat, strawberry crops. Light-to-moderate insect pressure on wheat. Other farm activities included hay and strawberry harvests, fertilizer and pesticide applications and scouting fields for freeze damage and threshold pest levels. Fertilizer supplies scarce. Temperatures averaged slightly above normal eastern half and slightly below normal western half. Rainfall amounts averaged between half inch and one inch below normal, except for middle where slight surplus noted.

**TEXAS:** Areas of East, Central, and South Texas and the Panhandle received rainfall last week. Coastal Texas received 5 inches of rainfall or more for the week while other areas observed scattered showers. Cutting and baling of small grains for hay was active around the State. Wheat and oats were fully headed out in many areas. However, dryland wheat was stressed in some locations due to insufficient moisture. In North Texas, there were reports of armyworm and rust problems in wheat. In the Plains, farmers were making final land preparations for spring planting. Cotton producers were listing fields, pre-watering, and getting equipment ready. In South Texas, corn and sorghum progressed well and cotton planting activities were wrapping up in some areas. In Northeast Texas, corn was emerging and producers were planting sorghum and soybeans. Row crops in many areas of the State were in need of rain. Irrigation was active on corn, cotton, and sorghum in South Texas and the Lower Valley. Foliar zinc sprays continued on pecan trees. Some growers were also

spraying for pecan nut casebearer. In Northeast Texas, blueberries and blackberries made good progress and in the Trans-Pecos, chilies were emerging. Onions and cabbage were being irrigated in South Texas while cooler temperatures slowed down watermelon plant development. In the Lower Valley, sugarcane harvest was complete, spring tomato harvest was in progress and preparations for melon harvest were underway. Range and pastureland in much of the State was in need of moisture. Some pastures in the Plains and the Edwards Plateau were showing signs of stress. In North and East Texas, pastureland was looking good and provided grazing for livestock. Supplemental feeding of livestock continued in the Trans-Pecos and some cattle were in poor condition. Producers in other areas were able to cease supplementation. Stock tanks around the State ranged from very low in parts of South Texas to nearly full in many other areas.

**UTAH:** Days Suitable For Field Work 6. Subsoil Moisture 34% short, 66% adequate. Irrigation Water Supplies 1% very short, 12% short, 86% adequate, 1% surplus. Winter Wheat Condition 22% fair, 56% good, 22% excellent. Spring Wheat planted 97%, 37% 2011, 65% avg; emerged 68%, 9% 2011, 26% avg. Barley planted 92%, 34% 2011, 61% avg; emerged 61%, 8% 2011, 26% avg. Oats planted 62%, 36% 2011, 44% avg; emerged 24%, 7% 2011, 13% avg. Corn planted 9%, 3% 2011, 7% avg. Cows Calved 90%, 85% 2011, 85% avg. Cattle and calves condition 8% fair, 69% good, 23% excellent. Sheep Condition 6% fair, 67% good, 27% excellent. Range and Pasture 4% poor, 35% fair, 55% good, 6% excellent. Stock Water Supplies 1% very short, 14% short, 83% adequate, 2% surplus. Sheep Sheared On Farm 86%, 83% 2011, 56% avg. Sheep Sheared On Range 66%, 68% 2011, 45% avg. Ewes Lamb On Farm 85%, 79% 2011, 84% avg. Ewes Lamb On Range 44%, 37% 2011, 39% avg. Apples Full Bloom Or Past 50%, 10% 2011, 32% avg. Apricots full Bloom Or Past 98%, 82% 2011, 79% avg. Sweet Cherries full Bloom Or Past 93%, 22% 2011, 46% avg. Tart Cherries full Bloom Or Past 88%, 11% 2011, 43% avg. Peaches, Full Bloom Or Past 97%, 22% 2011, 40% avg. Parts of Northern Utah experienced some wet weather during midweek (.25 to .33 inch of rain) but the end of the week produced warm, sunny weather with near record temperatures. Irrigation has begun in some parts of Northern Utah, making this one of the earliest years ever for irrigation water to be applied. In Eastern Utah it has been reported that canal companies started delivering irrigation water this week. Irrigators that depend on high water may not get any irrigation water this year. While in South Central Utah it has been reported that the snowpack is gone and the water has not reached its highest level. Box Elder Farmers are busy planting corn and safflower. Some of the corn ground was being prepared this week and a limited number of acres were planted. They are spraying for weeds and beginning to irrigate wheat and barley as the canal company put water in their canal system this week. Wheat and barley continue to look good to excellent this spring. On the east side of the county, the Bear River Canal Company began filling the system on Friday. This will help the farmers that need to irrigate fall wheat or alfalfa hay due to the dry spring. Cache County reports timely spring rains last week helped new seedlings of grain. Weather conditions have been near ideal for getting spring work accomplished. Growers will begin planting corn this week, though it is earlier than normal. Most crops look quite well. Duchesne County reported that most areas of the county have irrigation water in the pipelines and ditches for the year. Most areas in the county are very dry and the irrigation has helped move the crops along. Many farmers will plant corn this week which is much earlier than normal because of dry and warm temperatures. In Summit County spring rains have helped small grains recently planted. Farmers are still busy planting small grains and spraying weeds. Uintah County reports that canal companies started delivering irrigation water this week. Irrigators that depend on water reaching its highest level may not get any irrigation water this year. Box Elder County reports that sheep ranchers are busy shearing range sheep and lambing. No serious problems were being reported. Cattle producers are busy branding and doctoring calves. In Cache

County reports are that livestock are doing well. Duchesne County reports that many of the cattle producers are working and branding calves in preparation for turn out on summer pasture. In Summit County ranchers are finishing up calving while sheep producers are still lambing and shearing sheep.

**VIRGINIA:** Days suitable for fieldwork 5.1. Topsoil moisture 6% very short, 19% short, 67% adequate, 8% surplus. Subsoil moisture 10% very short, 22% short, 62% adequate, 6% surplus. Pasture 7% poor, 41% fair, 48% good, 4% excellent. Livestock 3% poor, 27% fair, 57% good, 13% excellent. Other Hay 10% poor, 46% fair, 38% good, 6% excellent. Alfalfa Hay 2% poor, 38% fair, 47% good, 13% excellent. Corn planted 60%, 34% 2011, 33% 5-yr avg; emerged 20%, 1% 2011, 3% 5-yr avg. Winter wheat headed 74%, 12% 2011, 8% 5-yr avg. Winter Wheat 2% poor, 20% fair, 70% good, 8% excellent. Barley 3% poor, 34% fair, 57% good, 6% excellent. Tobacco Greenhouse 38% fair, 43% good, 19% excellent. Tobacco Plant beds 97% fair, 3% good. Potatoes 97% good, 3% excellent. All Apples 1% poor, 80% fair, 7% good, 12% excellent. Peaches 3% poor, 56% fair, 30% good, 11% excellent. Grapes 3% poor, 33% fair, 44% good, 20% excellent. Oats 49% fair, 49% good, 2% excellent. The Commonwealth of Virginia received some needed rainfall this week. The rains have been beneficial for small grains, pasture and planted corn. Some corn planting had stopped due to the hard ground. Growers will finish corn and get ready to plant cotton, peanuts and soybeans. Tobacco transplanting has begun. Strawberries continued to ripen. Cattle look good.

**WASHINGTON:** Days suitable for fieldwork 5.4. Topsoil moisture 8% short, 67% adequate, 25% surplus. Subsoil moisture 3% very short, 27% short, 63% adequate, 7% surplus. Irrigation water supply 96% adequate, 4% surplus. Hay and other Roughage 5% very short, 16% short, 79% adequate. Range and Pasture Condition 1% very poor, 3% poor, 52% fair, 41% good, 3% excellent. Potatoes 61% planted, 35% last week, 57% last year, 61% average; 4% emerged, 0% last week, 7% last year, 8% average. Corn 23% planted, 6% last week, 22% last year, 23% average. Dry Edible Beans 1% planted, 0% last week, 4% last year, 30% average. Dry Peas 20% planted, 17% last week, 18% last year, 34% average. Processing Green Peas 50% planted, 30% last week, 57% last year, 47% average. The past week was a productive week for farmers. The week began damp and mild, but the weekend brought plentiful spring sunshine across the State. The winter wheat crop was in above average condition with producers in Asotin County observing well-developed green wheat. Spring grain seeding was progressing well with a 13 percent increase in progress from last week. Hay in Kittitas County was in above average condition. Producers were able to plow many fields in western Washington due to mild weather. Irrigation was turned on in the driest areas of Klickitat County. The lower Yakima Valley experienced excellent pollination weather which was concurrent with bloom in cherry, peach, nectarine, plum and pear. Some apple varieties started to bloom in the lower Yakima Valley. Cherry and pear bloom progressed to the upper Yakima Valley as well. Asparagus harvest continued with hardly any weather-related delays. Apricot trees were starting to bloom in Pend Oreille County. Potato planting increased substantially and was over halfway completed. Livestock producers were using rotational grazing to keep up with rapidly growing forage fields in Thurston County. Range and pasture production appeared roughly average in Kittitas County. Livestock producers released cattle into spring pastures, which was about a week later than normal due to slow grass growth.

**WEST VIRGINIA:** Days suitable for field work was 5. Topsoil moisture was 1% very short, 23% short, 73% adequate and 3% surplus compared to 59% adequate and 41% surplus last year. Intended acreage prepared for spring crops was 59%, 43% in 2011, and 59% 5-year avg. Hay and roughage supplies were 1% very short, 9% short, 77% adequate and 13% surplus compared to 8% very short, 29% short, 53% adequate and 10% surplus last year. Feed grain supplies were 4% short, 94% adequate and 2% surplus

compared to 4% very short, 19% short and 77% adequate last year. Corn 8% planted, 6% in 2011, and 11% 5-year avg; 2% emerged, 1% in 2011, 5-year avg not available. Soybeans 5% planted, 2011 and 5-year avg. not available. Winter wheat conditions 3% very poor, 5% poor, 31% fair and 61% good. Wheat 5% headed, 1% in 2011, 5-year avg not available. Hay conditions 5% very poor, 3% poor, 36% fair, 48% good and 8% excellent. Apple conditions 1% very poor, 13% poor, 46% fair, 39% good and 1% excellent. Peaches 18% very poor, 18% poor, 35% fair and 29% good. Cattle and calves 3% poor, 24% fair, 64% good and 9% excellent. Calving 89% complete, compared to 88% last year. Sheep and lambs 3% poor, 18% fair, 74% good and 5% excellent. Lambing 94% complete, compared to 90% last year. Farming activities included preparing fields and planting crops, turning livestock out to spring pastures, assessing frost damage, showing livestock, planting early garden crops, fencing, calving, and lambing.

**WISCONSIN:** Days suitable for fieldwork 3.4. Topsoil moisture 2% very short, 10% short, 74% adequate, and 14% surplus. Spring tillage 44% complete this week, 32% last week, 7% last year, 20% average. Corn planted 6% complete this week, 2% last week, 0% last year, 4% average. Oats planted 60% this week, 48% last week, 12% last year, 31% average; emerged 21% this week, 10% last week, 0% last year, 6% average. This week brought much-needed rain across the State, with some snow reported in Northern Wisconsin. Alfalfa, oats and winter wheat benefited from additional moisture, but fieldwork was slowed by the wet weather. A series of frosty nights continued to impact tender fruit crops. Reporters noted that it is too early to evaluate the full extent of damage to berry and vine crops. Further damage to blossoming fruit trees was reported in some areas and producers remained concerned about possible frosts in upcoming weeks. Across the reporting stations, average temperatures last week were 1 to 4 degrees above normal. Average high temperatures ranged from 58 to 62 degrees, while average low temperatures ranged from 36 to 41 degrees. Precipitation totals ranged from 1.49 inches in Madison to 2.25 inches in La Crosse.

**WYOMING:** Days suitable for field work 6.7. Topsoil moisture 9% very short, 42% short, 49% adequate. Barley planted 83% this week, 79% last week, 62% last year, 64% average; emerged 42% this week, 36% last week, 15% last year, 17% average. Oats planted 40% this week, 28% last week, 40% last year, 35% average; emerged 10% this week, 7% last week, 10% last year, 9% average. Spring wheat planted 29% this week, 17% last week, 9% last year, 19% average; emerged 6% this week, 5% last week, 1% last year, 5% average. Winter wheat jointed 36% this week, 9% last week, 9% last year, 4% average. Corn planted 5% this week, 0% last week, 0% last year, 2% average. Sugarbeets planted 40% this week, 18% last week, 9% last year, 27% average. Winter wheat condition 34% fair, 66% good. Crop insect infestation 93% none, 7% light. Spring calves born 73% this week, 66% last week. Farm flock ewes lambed 80% this week, 75% last week. Farm flock sheep shorn 75% this week, 65% last week. Range flock ewes lambed 21% this week, 21% last week. Range flock sheep shorn 35% this week, 29% last week. Calf losses 42% light, 58% normal. Lamb losses 36% light, 64% normal. Livestock condition 5% poor, 13% fair, 80% good, 2% excellent. Range and pasture condition 4% very poor, 6% poor, 42% fair, 48% good. Spring grazing prospects 16% poor, 47% fair, 37% good. Hay and roughage supplies 3% very short, 5% short, 91% adequate, 1% surplus. Weekly air temperatures averaged above normal at all but 5 of the 33 reporting stations. Moisture levels were at or above normal for 3 of the 33 reporting stations. Lincoln County reported limited rains across county with overcast skies. Platte County reported continuing dry conditions with warm temperatures allowing for early seeding of crops. Calving has gone well with the warm weather as has plant growth with the wheat and alfalfa. Converse County reported persistent dry conditions and irrigation prospects dwindling. Snotel snowpack across the State shows about half of normal. Activities included planting small grains and some row crops, feeding livestock, shearing sheep, lambing & calving.

## International Weather and Crop Summary

April 15-21, 2012

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

### HIGHLIGHTS

**EUROPE:** Widespread rain persisted, improving winter crop prospects across much of the continent and easing drought impacts on the Iberian Peninsula.

**WESTERN FSU:** Periods of rain maintained favorable soil moisture for winter grains and oilseeds across western portions of the region.

**EASTERN FSU:** Sunny, unseasonably warm weather accelerated fieldwork and early spring wheat emergence but rapidly reduced soil moisture for crop establishment.

**MIDDLE EAST:** Showers and thunderstorms persisted, slowing fieldwork but maintaining favorable soil moisture for vegetative to reproductive winter crops.

**NORTHWESTERN AFRICA:** Widespread showers further improved winter grain prospects in northern Morocco while benefiting reproductive winter crops elsewhere.

**SOUTH ASIA:** Seasonably dry weather returned to much of India as cotton planting proceeded in the north.

**SOUTHEAST ASIA:** Showers slowed harvesting from southern parts of Vietnam and the Philippines into Malaysia and Indonesia.

**EAST ASIA:** Rainfall across most key growing areas of China maintained favorable soil moisture for winter and spring crops.

**AUSTRALIA:** In eastern Australia, relatively cool, showery weather was replaced by warmer, drier weather, allowing summer crop harvesting to regain momentum.

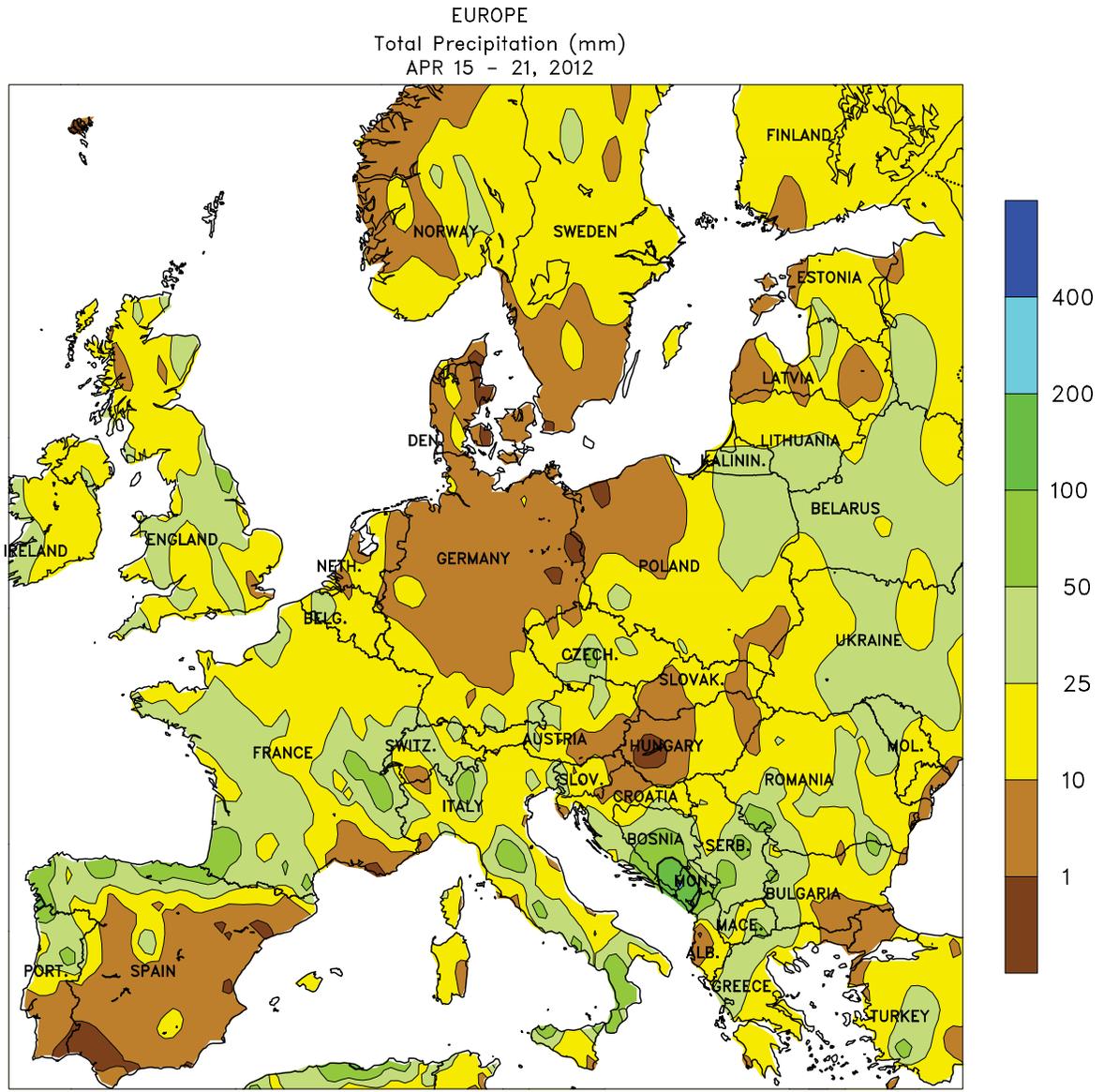
**SOUTH AFRICA:** Dry, seasonably mild weather dominated much of the region, aiding summer crop drydown and seasonal fieldwork.

**ARGENTINA:** Showers continued throughout the region, causing local disruptions in summer crop harvesting but increasing topsoil moisture for the upcoming winter growing season.

**BRAZIL:** Rain benefited secondary (safrinha) corn in key central and southern production areas.

**MEXICO:** Rain increased moisture for corn and sugarcane in farming areas along the Gulf Coast.





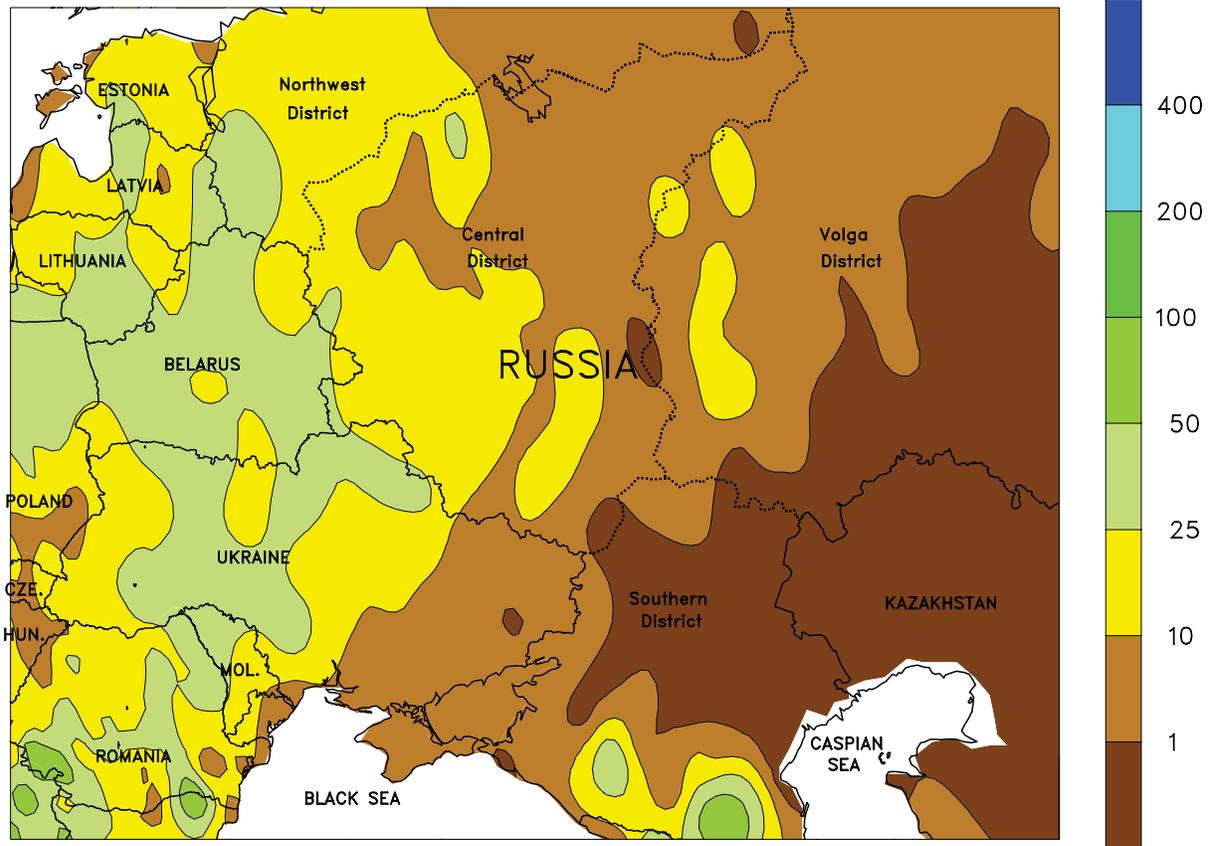
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Based on preliminary data

**EUROPE**

Stormy weather persisted over the continent, providing beneficial rainfall to most winter crops areas. In Spain, an additional 10 to 60 mm of rain in northern portions of the country improved prospects for wheat and barley, while southern showers (less than 5 mm) were too light and late to reverse the damage of winter and early spring drought on small grains. Showers and thunderstorms (20-65 mm) in Italy improved soil moisture for winter wheat and boosted irrigation

reserves for summer crops. Showers (10-50 mm) also continued from England and France into Germany and the Balkans, further increasing soil moisture for vegetative wheat and rapeseed. Showers were somewhat lighter (2-25 mm) in Germany and Poland, with soil moisture shortages noted across northern growing areas. Cooler-than-normal conditions (1-3°C below normal) in western Europe contrasted with near-to above-normal temperatures in eastern portions of the region.

WESTERN FSU  
Total Precipitation (mm)  
APR 15 - 21, 2012



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Based on preliminary data

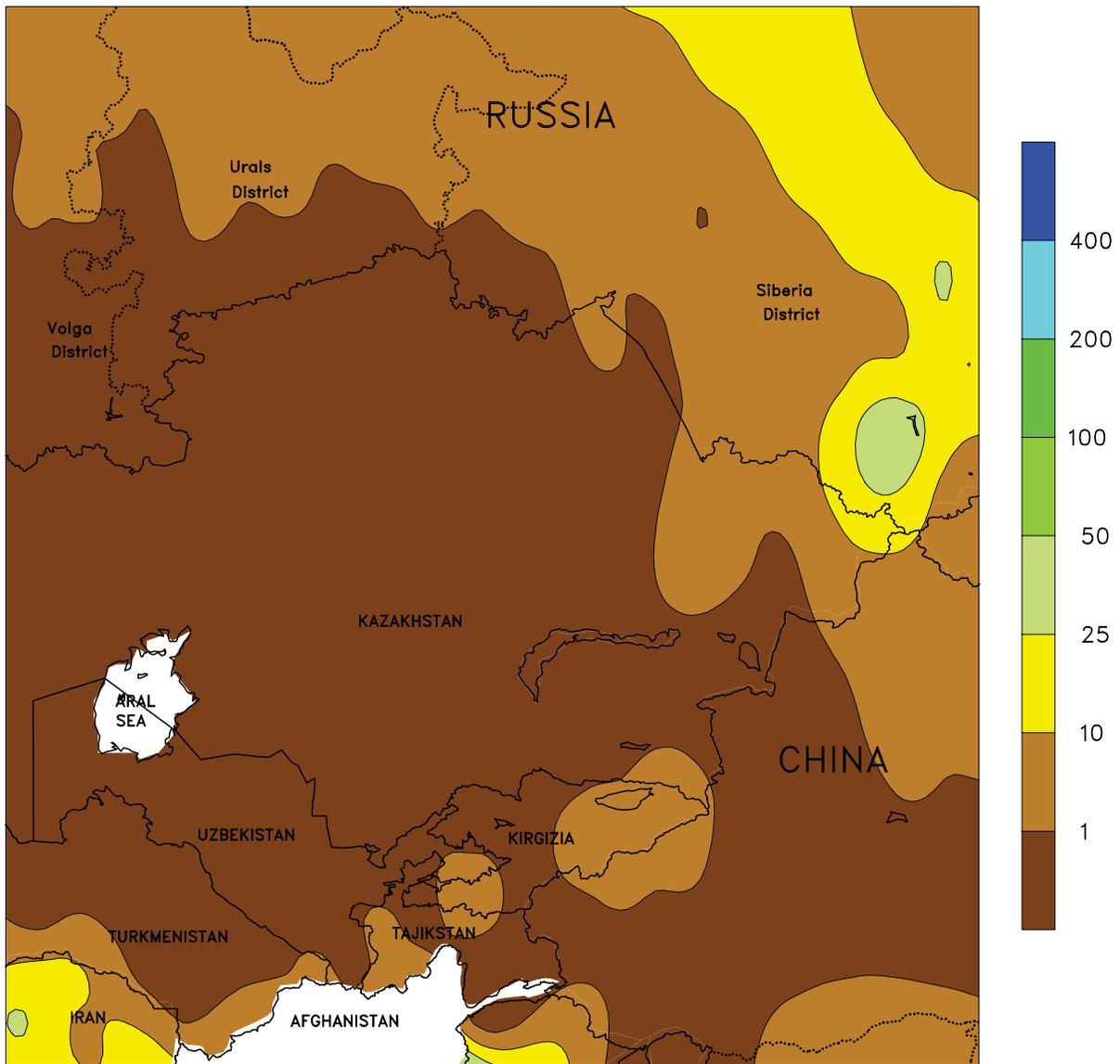


**WESTERN FSU**

Unsettled weather in western crop districts contrasted with increasingly warm and dry conditions in the east. A slow-moving storm system produced 10 to 45 mm of rain from Belarus and western Ukraine into the Central and northern Volga Districts, while lighter showers (2-10 mm) fell in eastern Ukraine. The rainfall maintained favorable soil moisture for greening to vegetative winter grains and

oilseeds, although Ukraine producers are still assessing the impacts of fall drought on winter crops. Meanwhile, sunny skies and unseasonable warmth (up to 11°C above normal) accelerated crop green up across the southern Volga District. Likewise, warmer-than-normal weather (daytime highs exceeding 25°C) in the Southern District encouraged a rapid pace of crop development.

EASTERN FSU  
Total Precipitation (mm)  
APR 15 - 21, 2012



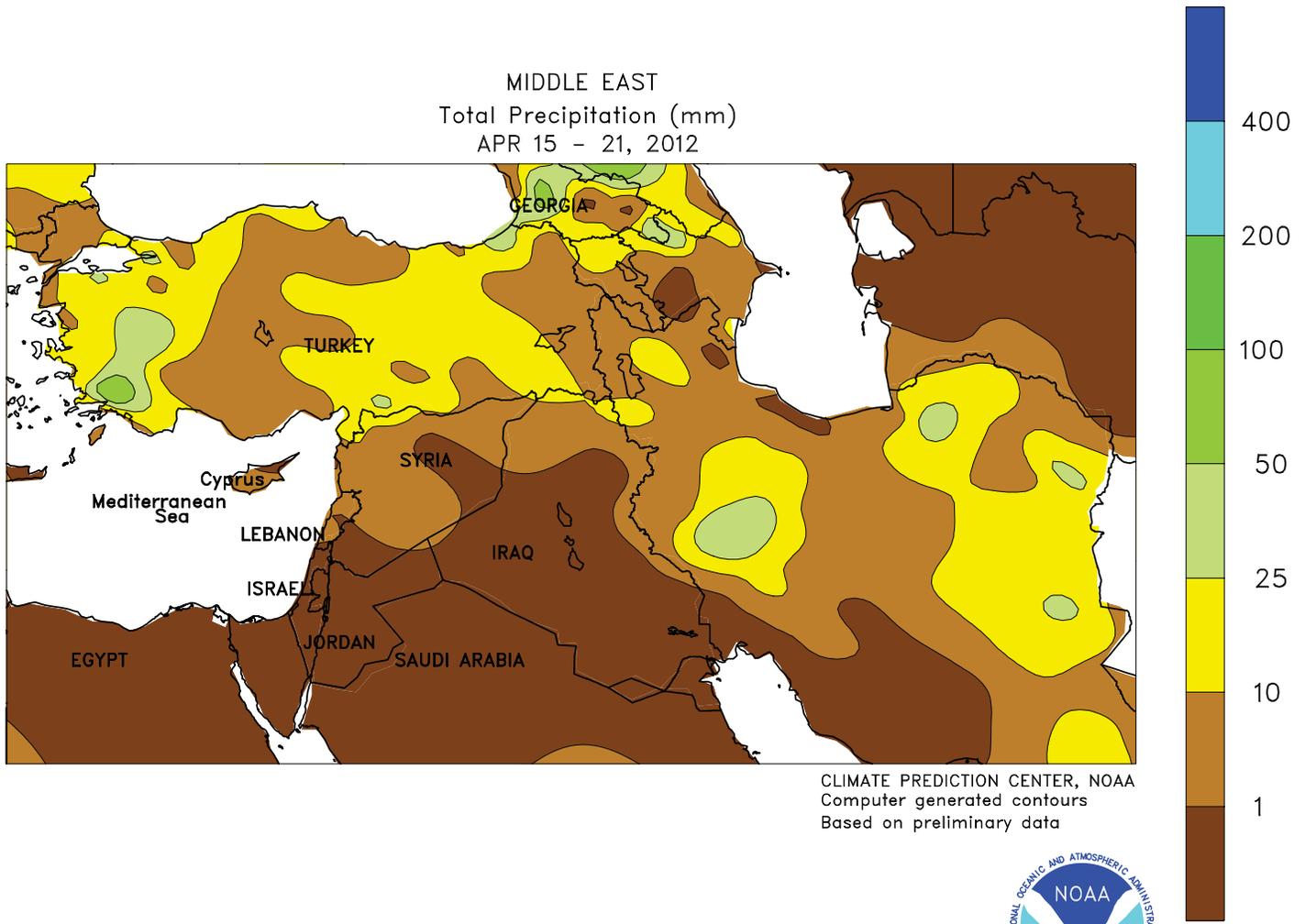
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Based on preliminary data



**EASTERN FSU**

Unseasonable warmth and dryness promoted a rapid pace of fieldwork but reduced soil moisture for crop development. Temperatures averaged 8 to 10°C above normal across the spring wheat areas of northern Kazakhstan and central Russia, with daytime highs (28-31°C) more typical of mid-June. Consequently, producers

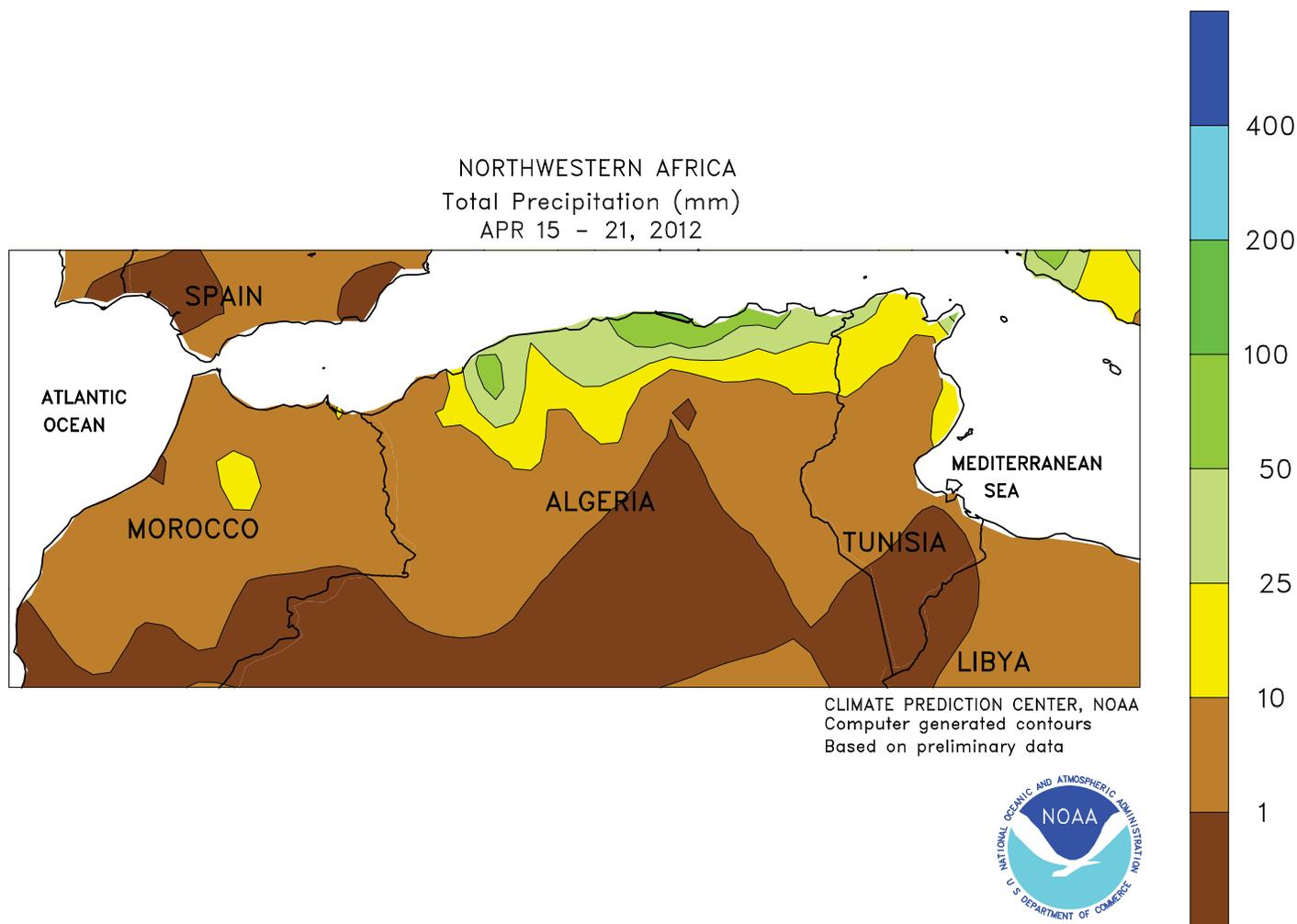
were able to plant spring wheat at a rapid pace, but soil moisture was becoming limited for crop establishment due to the unseasonably high evapotranspiration rates. Meanwhile, cotton planting proceeded without delay across the south under sunny skies and above-normal temperatures (4-7°C above normal).



**MIDDLE EAST**

Showers continued across the region, maintaining soil moisture for winter crop development. In Turkey, rain tallied 5 to 45 mm across much of the country, although cotton planting in the west was likely delayed by locally heavy showers (up to 60 mm). Winter crop prospects in Turkey, however, appear to have suffered from a persistently cold fall and winter, which likely resulted in poor establishment before wheat and barley went dormant. Moderate to heavy showers (10-45 mm) were well-placed in western Iran,

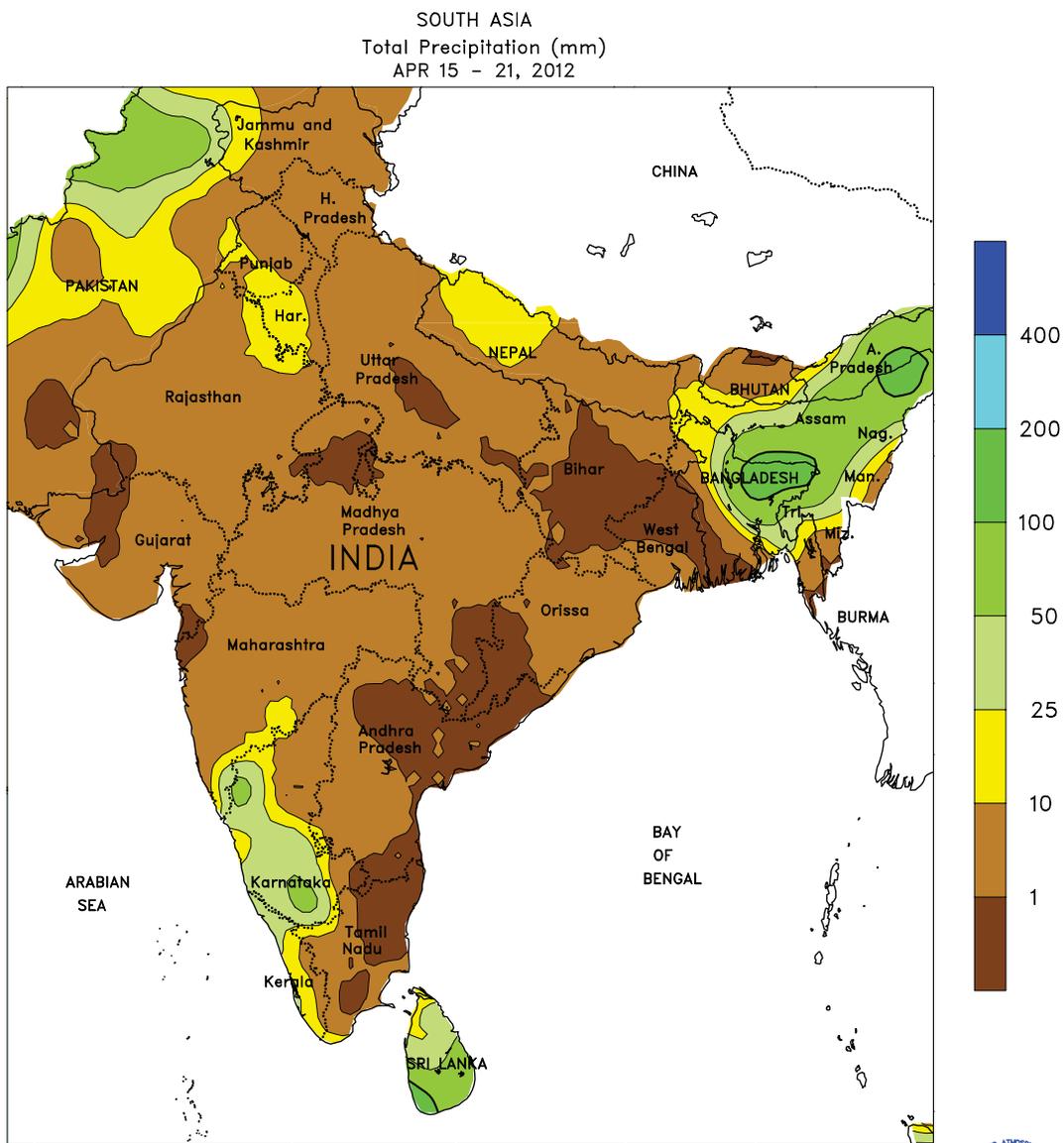
providing additional relief from an abnormally dry winter and improving soil moisture for vegetative to reproductive winter grains. Showers also persisted across the remainder of northern Iran, maintaining favorable soil moisture for winter crops. Warmer-than-normal weather (1-4°C above normal) accelerated crop development across much of the region, although cooler-than-normal conditions (up to 4°C below normal) were reported in central and southern Iran due to the clouds and rain.



**NORTHWESTERN AFRICA**

Showers continued over most growing areas, although rain was lighter in Morocco. For the second consecutive week, moderate to heavy rain (10-65 mm) boosted yield prospects for reproductive to filling wheat and barley in northern portions of Algeria and Tunisia. Light showers (2-10 mm)

also lingered in Morocco, although the rain was mostly too late for filling winter grains in western and southern portions of the country. Cooler-than-normal weather (up to 4°C below normal) ensured crops were not subjected to any untimely heat.



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Based on preliminary data

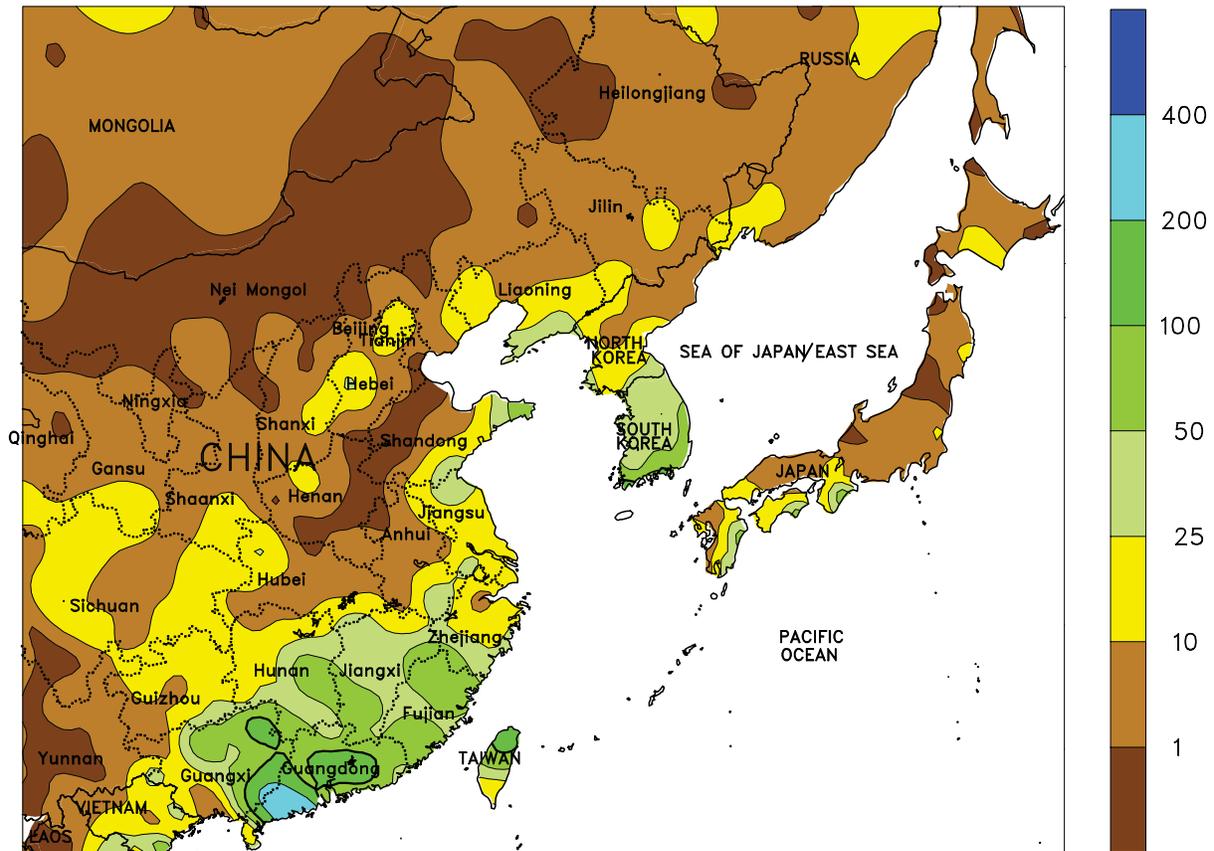


**SOUTH ASIA**

Seasonably dry weather returned to much of the region, with showers confined to far eastern India, parts of southwestern India, and northwestern Pakistan. In India, upwards of 100 mm of rain benefited early rice fieldwork in Assam as well as aiding mid-season rice in Bangladesh. Over 50 mm of rain prevailed in southwestern India, providing some relief from the heat but

occurring well in advance of the main growing season. Elsewhere in India, hot, dry weather dominated the period, with maximum temperatures in the upper 30s (degrees C) in most states – cooler than in previous weeks – and in the lower 40s in central India. Cotton planting continued in northern India, aided by weekly average temperatures below 30°C and adequate irrigation.

EASTERN ASIA  
 Total Precipitation (mm)  
 APR 15 - 21, 2012



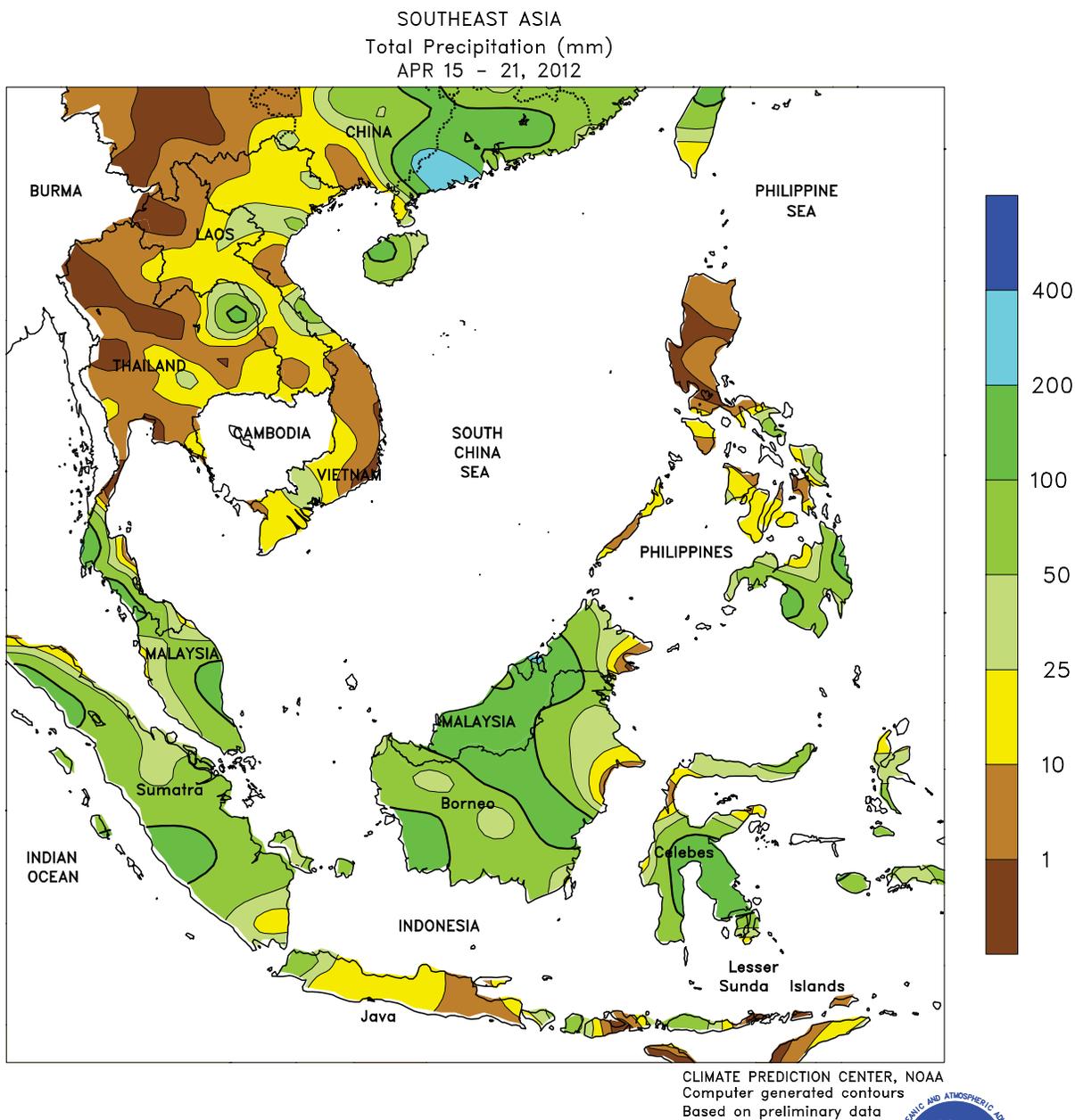
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**EASTERN ASIA**

Widespread showers across eastern China maintained favorable soil moisture for winter and spring crops. Light showers (1-10 mm) aided reproductive winter wheat along the western growing areas of the North China Plain, while rainfall missed most of the key production areas in eastern Henan and western Shandong. Periodic showers (1-25 mm) occurred throughout the week in the Yangtze Valley with the majority of the rainfall coming late in the period. Upwards of 25 mm of

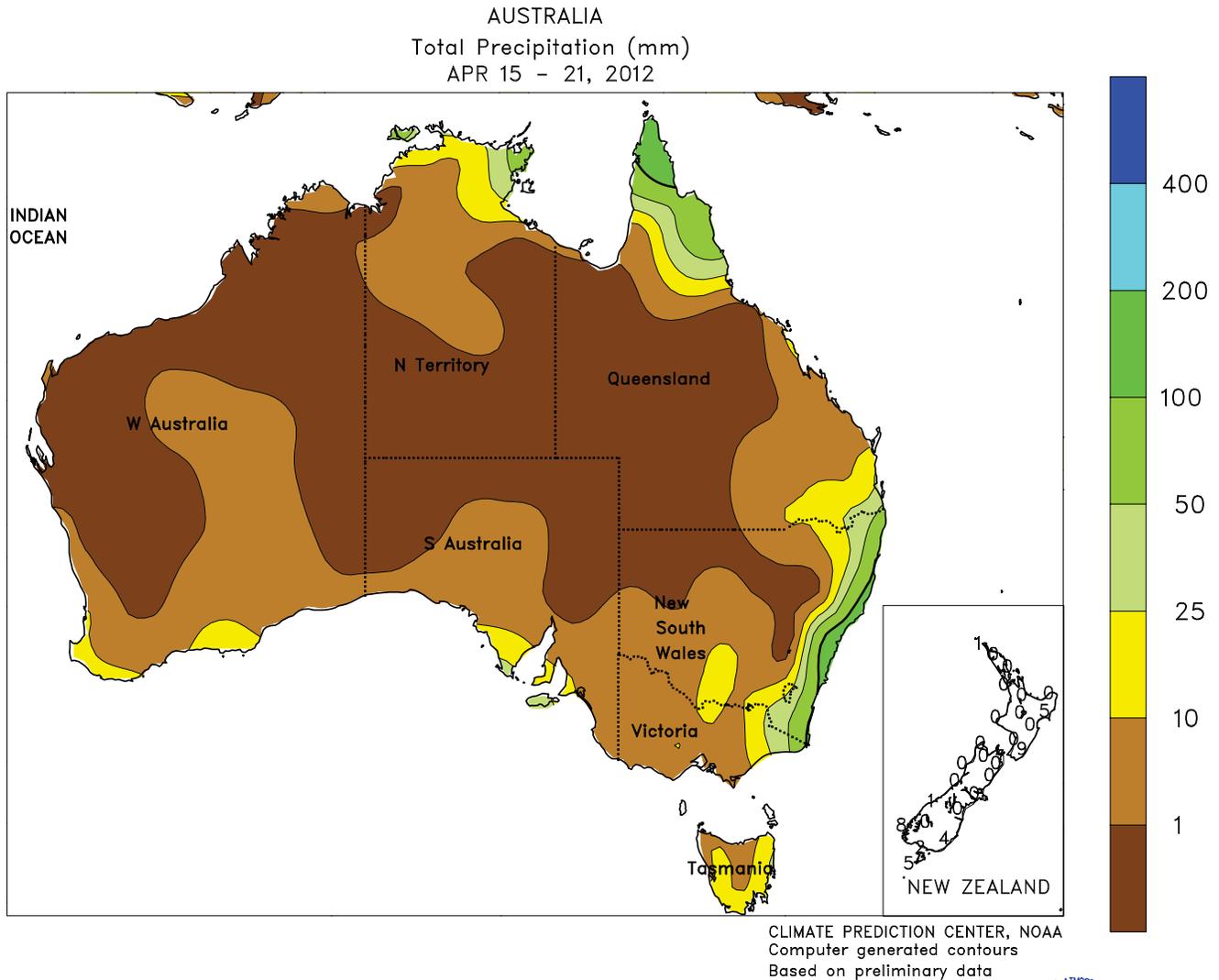
rain improved moisture conditions for spring corn and winter rapeseed in Sichuan, while lesser amounts maintained adequate moisture supplies for filling winter rapeseed in Hubei, Anhui, and Jiangsu. Moderate to heavy rainfall (25-100 mm) south of the Yangtze Valley improved spring moisture conditions for sugarcane and early double-crop rice in Guangxi and Guangdong, while keeping pace with normal spring rainfall totals in Hunan, Jiangxi, Zhejiang, and Fujian.



**SOUTHEAST ASIA**

Showers (25-200 mm) were confined to a relatively narrow band extending from the southern Philippines to central portions of Indonesia. Rice and corn harvesting proceeded in the northern and central Philippines under fair weather, while persistent rainfall of 25 to 50 mm (approaching 200 mm near the coast) in Mindanao slowed harvesting. Some of the more moderate rainfall amounts (upwards of 35 mm) occurred in southern Vietnam, slowing the final stages of spring rice harvesting as

well as summer rice transplanting. In Malaysia, rainfall reports of over 100 mm were widespread and likely caused delays in oil palm harvesting, while in adjacent Indonesian oil palm areas, lesser amounts (50-100 mm) resulted in minor harvest delays. Rice harvesting in Java, Indonesia, benefited from periods of dry weather during the week especially in eastern growing areas, while fewer harvest days were available in the west where weekly rainfall totals surpassed 100 mm.

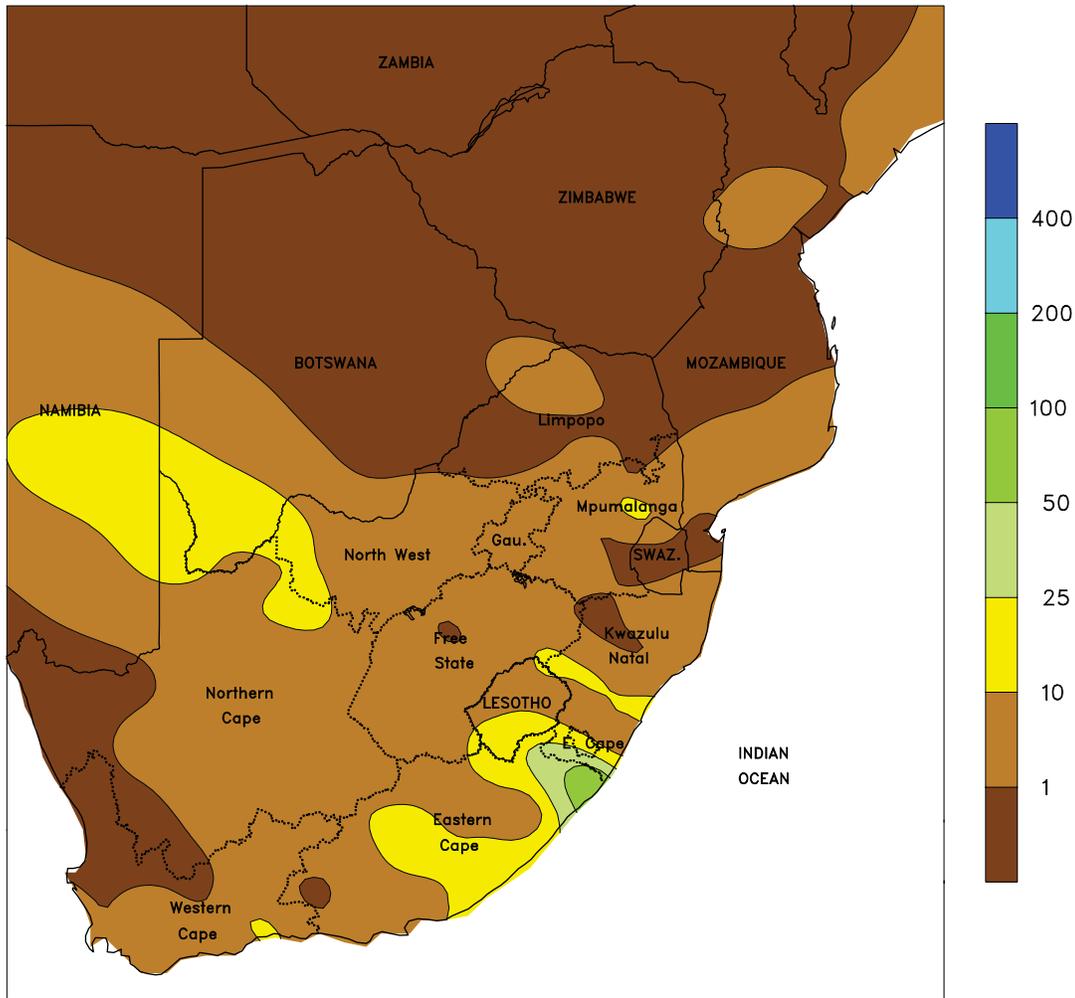


**AUSTRALIA**

Early in the week, passing showers (5-25 mm) in southern Queensland and northern New South Wales temporarily disrupted fieldwork. However, warmer, drier weather overspread the region

by mid-week, allowing cotton and sorghum harvesting to regain momentum. Despite a relatively cool start to the week, temperatures averaged about 1 to 2°C above normal for the week.

SOUTH AFRICA  
Total Precipitation (mm)  
APR 15 - 21, 2012



CLIMATE PREDICTION CENTER, NOAA  
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Based on preliminary data

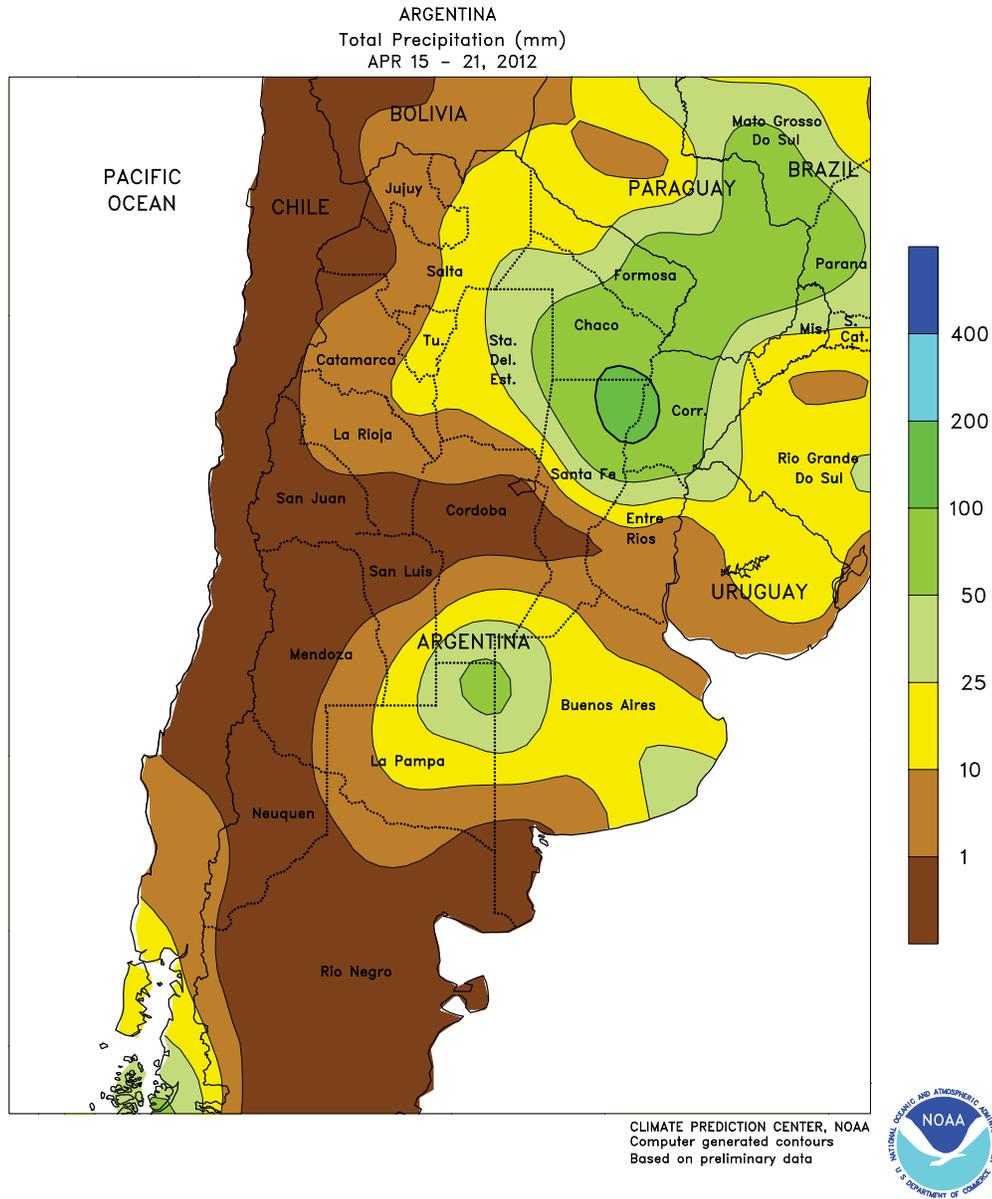


**SOUTH AFRICA**

Mostly dry, seasonably mild weather dominated the region. For a third consecutive week, little to no rain fell in the corn belt; in contrast to the past 2 weeks, however, weekly average temperatures averaged closer to normal with no freezes reported. Daytime highs generally ranged from the lower and middle 20s (degrees C) in eastern sections of the corn belt (in and around southwestern Mpumalanga) and the middle and upper 20s farther west (North West and Free State). Although summer crops are advancing toward maturity and would not benefit from additional rainfall, topsoil moisture was limited for germination of winter grains and additional rain would be welcome. Elsewhere,

dry conditions favored early harvesting of sugarcane in eastern Mpumalanga and most of KwaZulu-Natal, with rain (5-10 mm or more) generally confined to irrigated production areas near the border with Eastern Cape. Mostly light showers (less than 10 mm) were scattered throughout the remainder of the Cape Provinces but amounts were not high enough to significantly impact autumn fieldwork, including winter wheat planting in Western Cape.

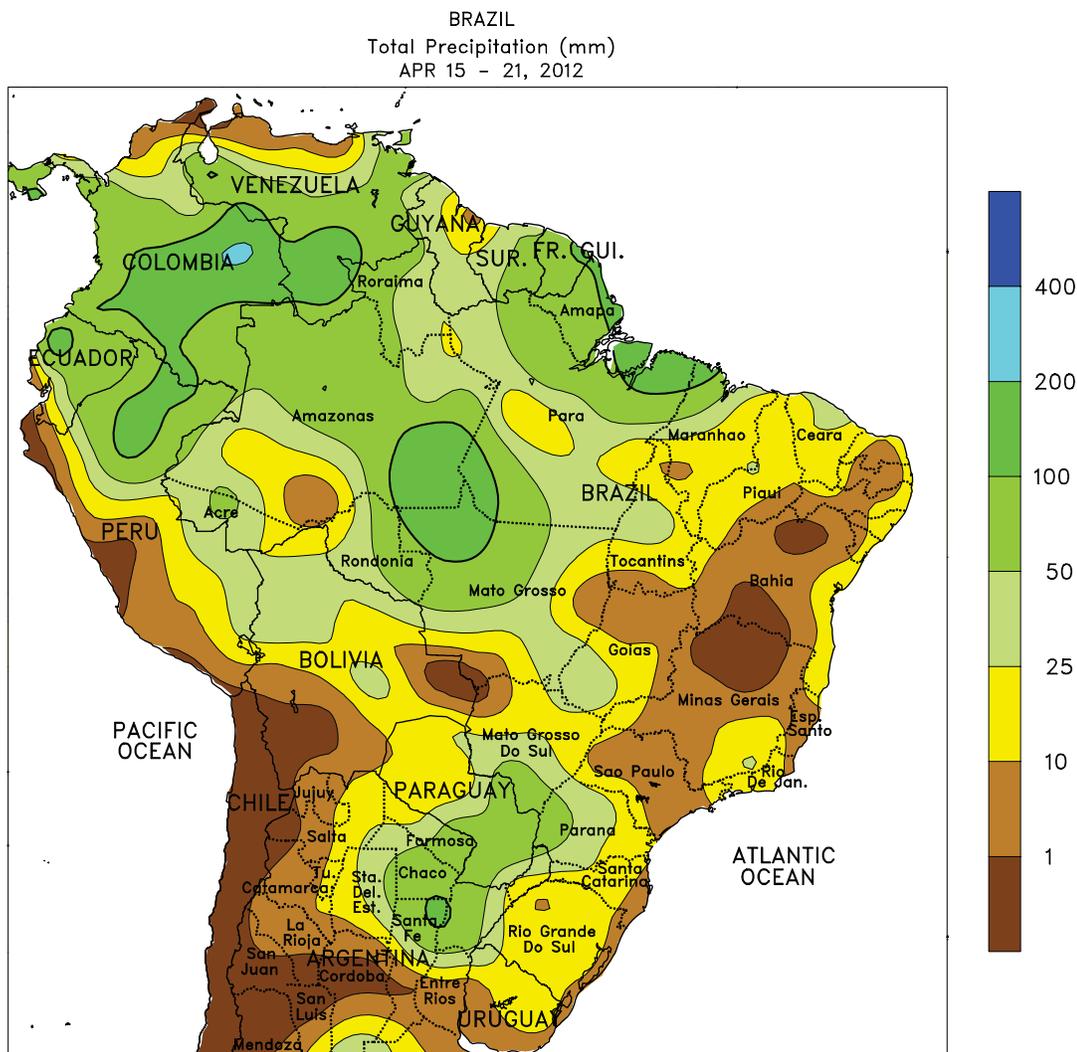
*This is the final weekly summary of the season; coverage will resume in October 2012 upon commencement of the summer growing season.*



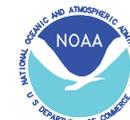
**ARGENTINA**

A generally wet weather pattern continued across the region, though rainfall amounts were highly variable. In central Argentina, locally heavy rain (5-25 mm or more) fell from La Pampa and southern Cordoba eastward through southeastern Buenos Aires. While hampering corn and soybean harvesting, the moisture will ultimately benefit winter grains. Meanwhile, continuing dryness aided drydown and harvesting of corn and soybeans farther south (southern La Pampa and southwestern Buenos Aires), and in parts of the lower Parana River Valley (northern Buenos Aires, southern Entre Rios and southern Santa Fe). Weekly average temperatures were near to slightly above normal, with highs ranging from 28 to 30°C during the early part of the week in the northern and western sections of the region. In the traditionally cooler locations of southern Buenos

Aires, temperatures fell below 5°C on several mornings but no widespread freeze was reported. Locally heavy showers continued in the north, with the heaviest rain (25-100 mm or more) concentrated over northeastern Santa Fe. The heavy rain was untimely for maturing cotton, but the continuation of unseasonable wetness helped to further eradicate long-term drought. Somewhat drier conditions prevailed farther west, with rainfall totaling 5 to 25 mm from northern Cordoba to Salta. Across the region, weekly average temperatures were 1 to 2°C above normal, with highs generally in the upper 20s and lower 30s before the onset of the rain. According to Argentina’s Ministry of Agriculture, corn and soybeans were 40 and 41 percent harvested, respectively, as of April 19, slightly behind last season’s pace for both crops.



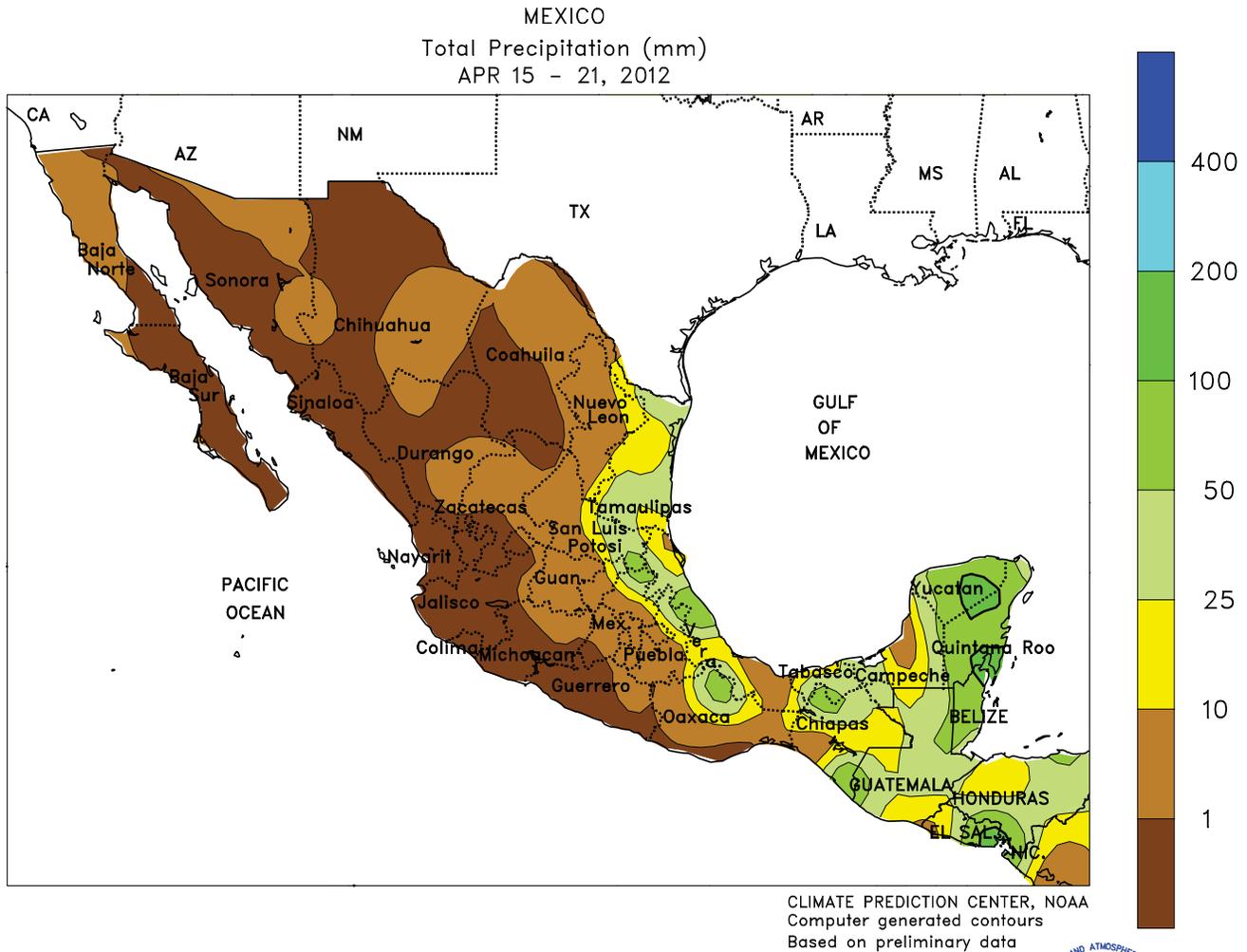
CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data



**BRAZIL**

Much-needed rain overspread key farming areas of central and southern Brazil, increasing moisture for secondary (safrinha) corn. In the south, most of the rain (10-50 mm or more) came with the passage of a strong cold front late in the week, ending a brief warm spell that saw daytime highs reaching the upper 20s and lower 30s (degrees C). The rain was particularly welcome in previously dry locations of northwestern Parana and neighboring areas of Mato Grosso do Sul and Sao Paulo, which had received little rain since the end of March. As in the south, similar amounts of

rainfall were recorded in important production areas of Mato Grosso, southern Goias, and northern Mato Grosso do Sul, also ending a short period of unseasonable warmth (daytime highs in the middle 30s). The moisture will also benefit winter wheat, usually planted in April and May in these more northerly areas. However, rainfall was generally light and scattered in the northeastern interior, offering immature cotton limited relief from temperatures in the upper 30s. Warm, dry weather along the northeastern coast aided the late stages of sugarcane and cocoa harvesting.



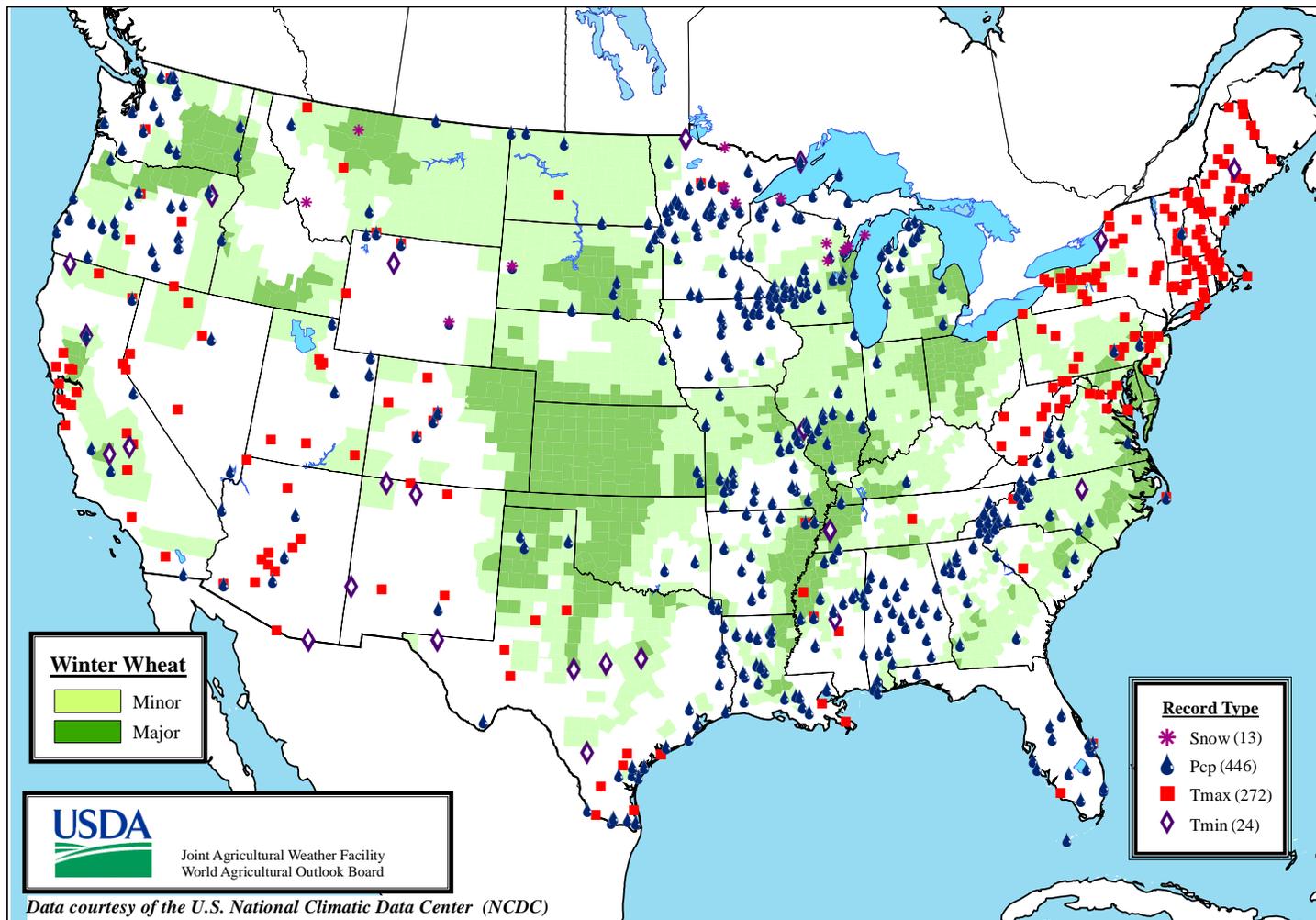
**MEXICO**

Locally heavy rain along the Gulf Coast increased moisture for early development of corn and sugarcane. Rainfall totaled 25 to 50 mm or more in major farming areas of Veracruz and Tamaulipas, with lighter amounts extending westward into nearby states. These areas include the country's main eastern sugarcane areas, eastern sections of the southern plateau corn belt (Hidalgo and Puebla), and the bulk of the northeastern rain-fed winter sorghum region. Locally heavy showers (25-50 mm, locally in excess of 100 mm) fell on the Yucatan

Peninsula but the remainder of the south was dry. Seasonable warmth (daytime highs reaching the lower and middle 30s degrees C) fostered early summer crop development and promoted growth of immature winter grains. Seasonably drier conditions prevailed farther west, including central and western sections of the southern plateau corn belt, where seasonal rains have yet to arrive. Seasonably warm conditions (daytime highs in the lower and middle 30s) promoted rapid development of wheat and other predominantly rain-fed winter crops.

# Daily Weather Records (ASOS & COOP)

April 15-21, 2012



Data courtesy of the U.S. National Climatic Data Center (NCDC)

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