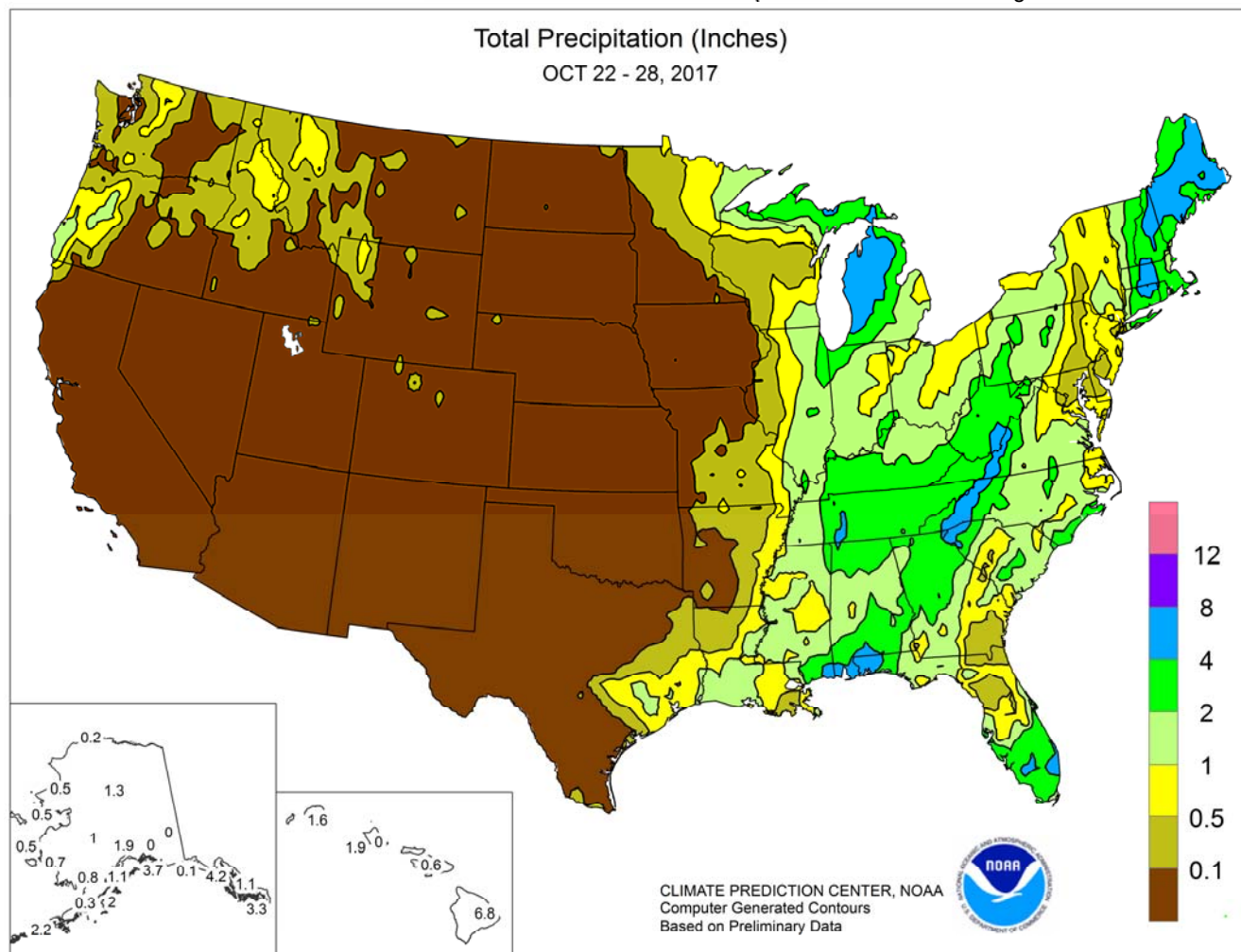


WEEKLY WEATHER AND CROP BULLETIN

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

October 22 – 28, 2017

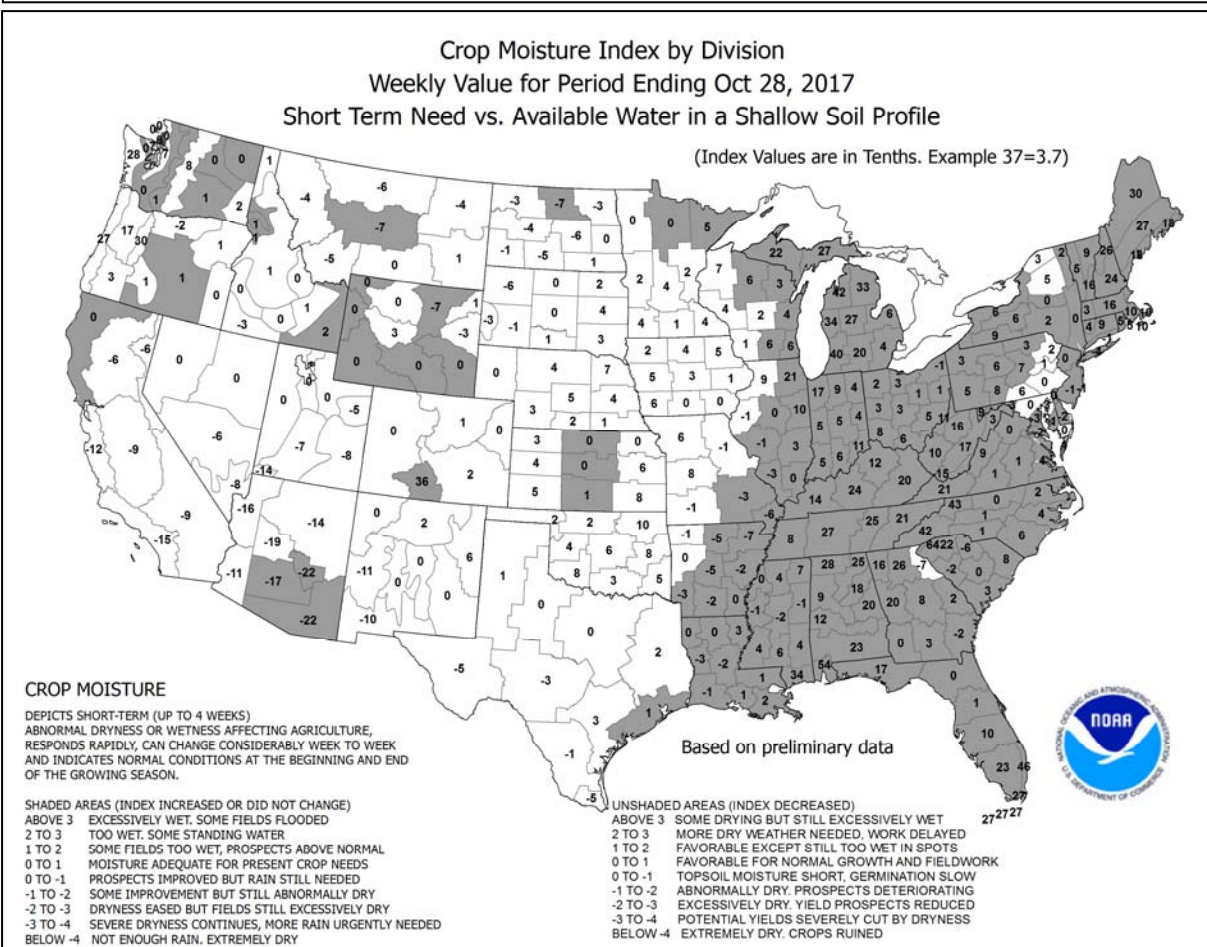
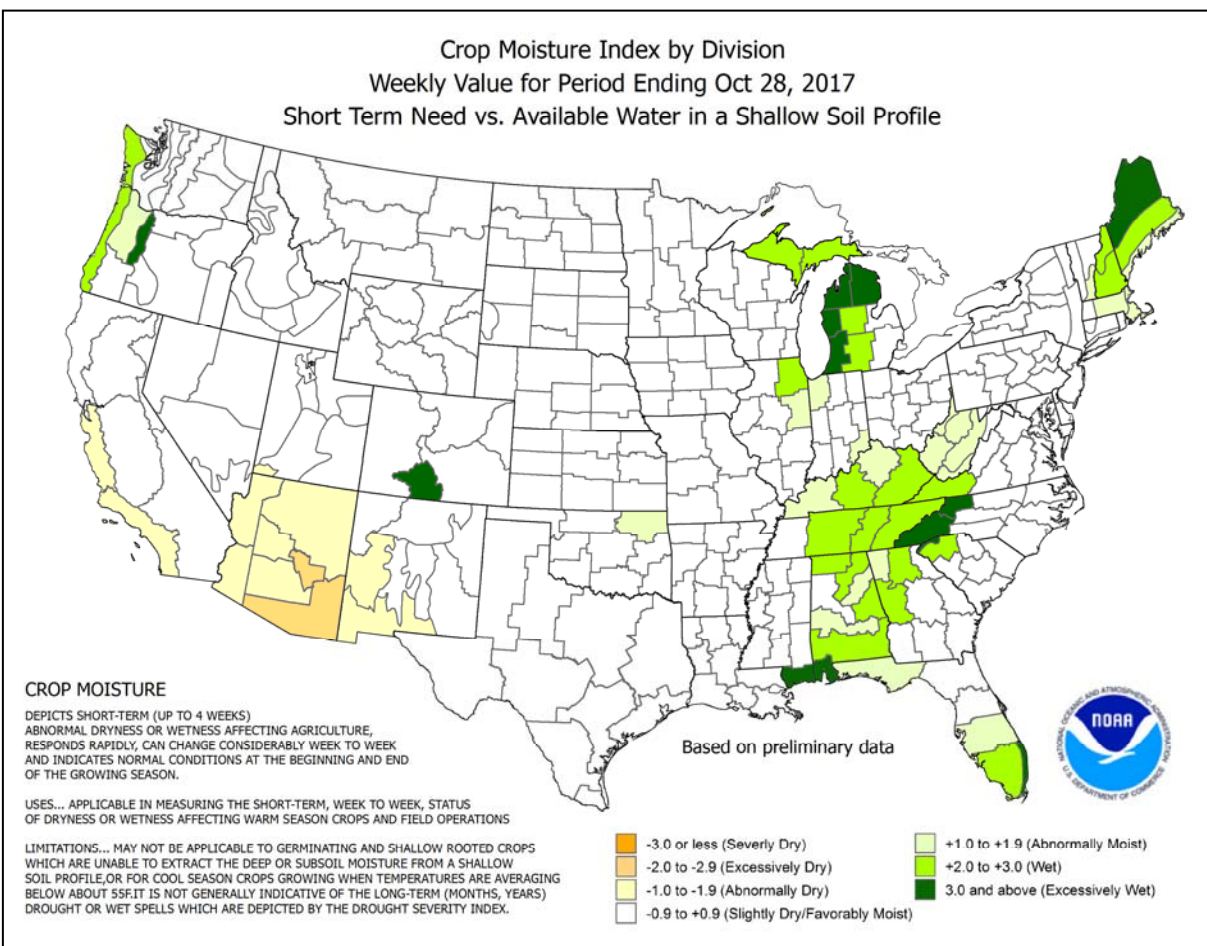
Highlights provided by USDA/WAOB

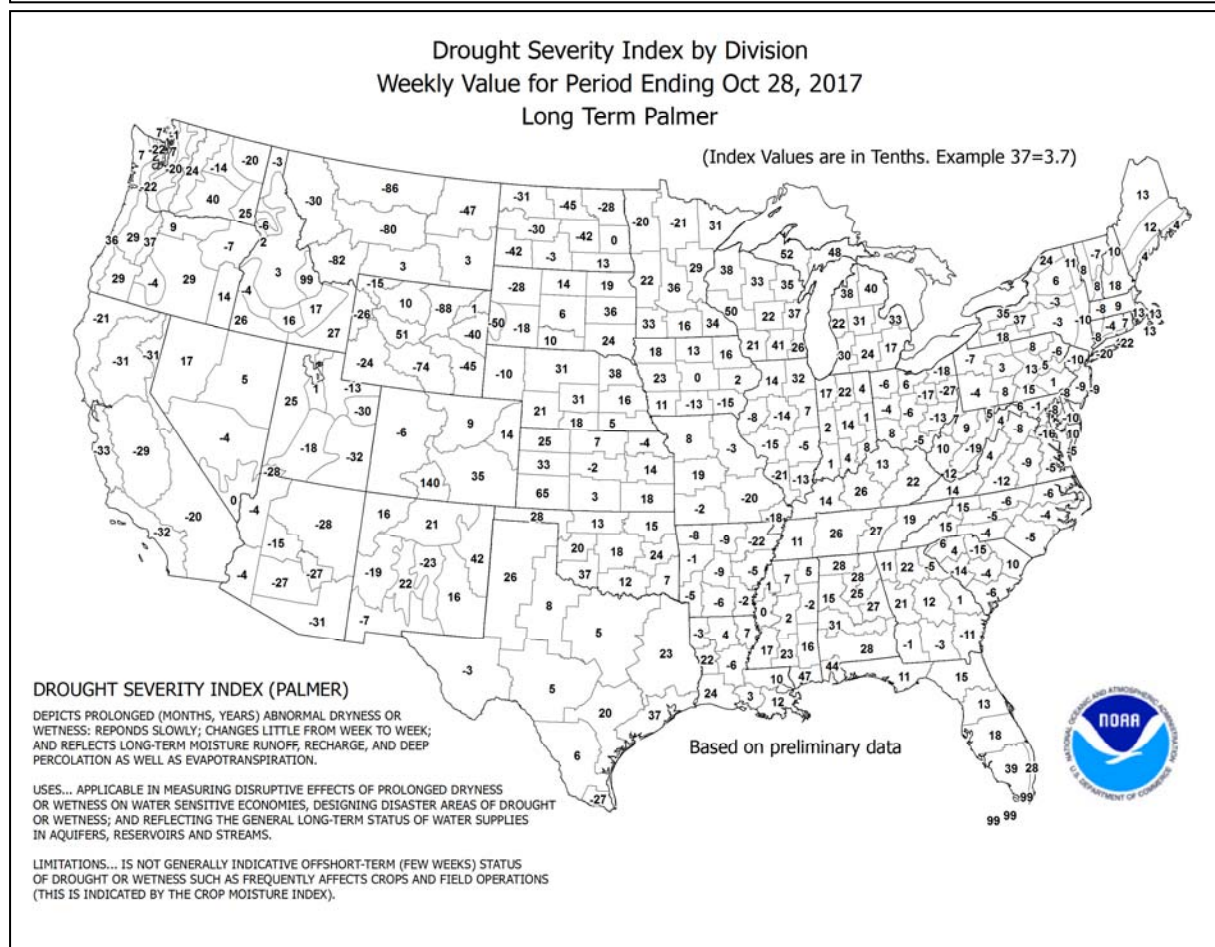
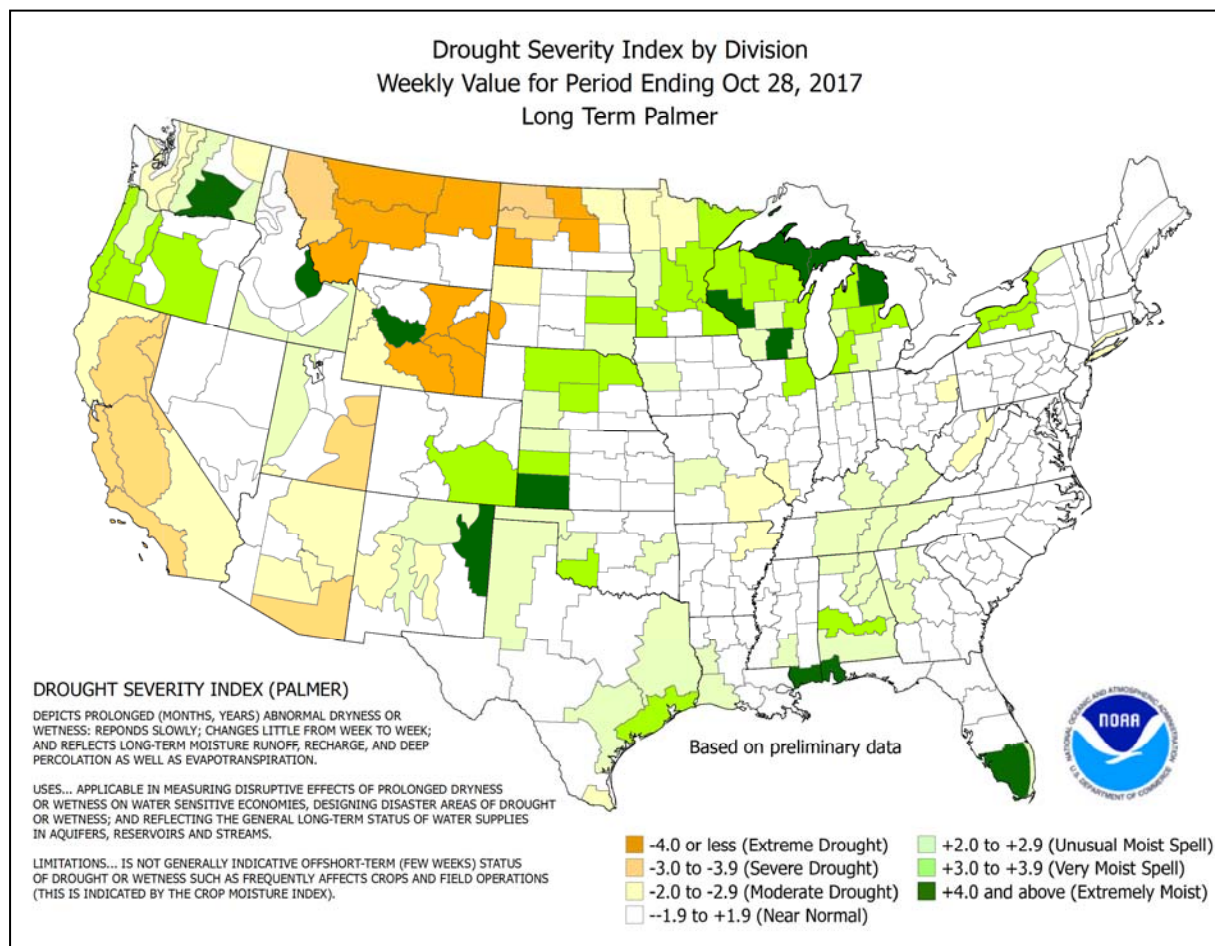
For much of the week, dry weather from the **Pacific Coast to the Plains** favored fieldwork, including summer crop harvesting and late-season winter wheat planting. Isolated showers were noted, however, from the **Pacific Northwest to the northern High Plains**. Farther east, however, two rounds of significant precipitation occurred along and east of the **Mississippi River**. Rain was especially heavy—totaling 4 inches or more—in parts of **Michigan**, stalling fieldwork and causing local flooding. Weekly rainfall also

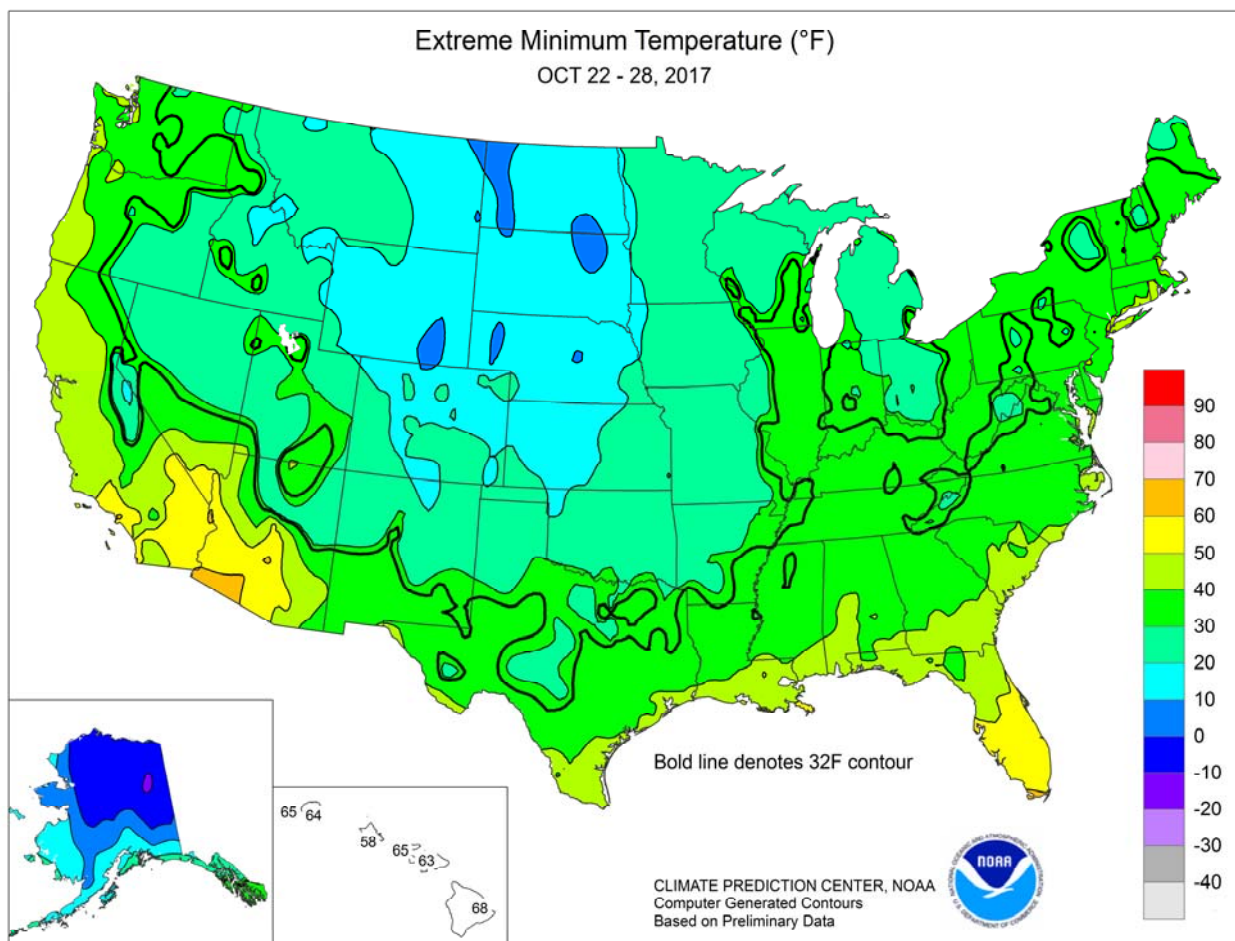
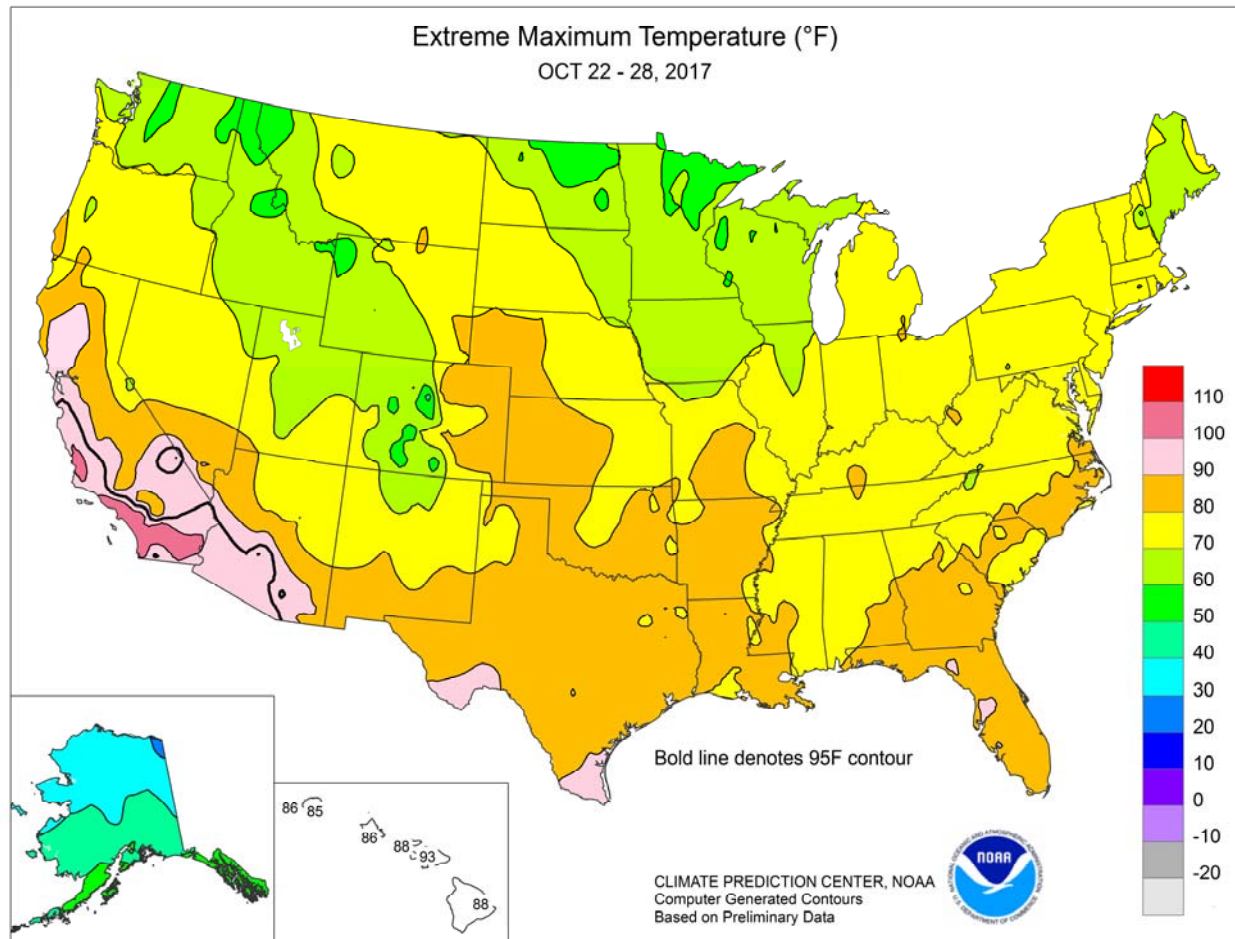
(Continued on page 5)

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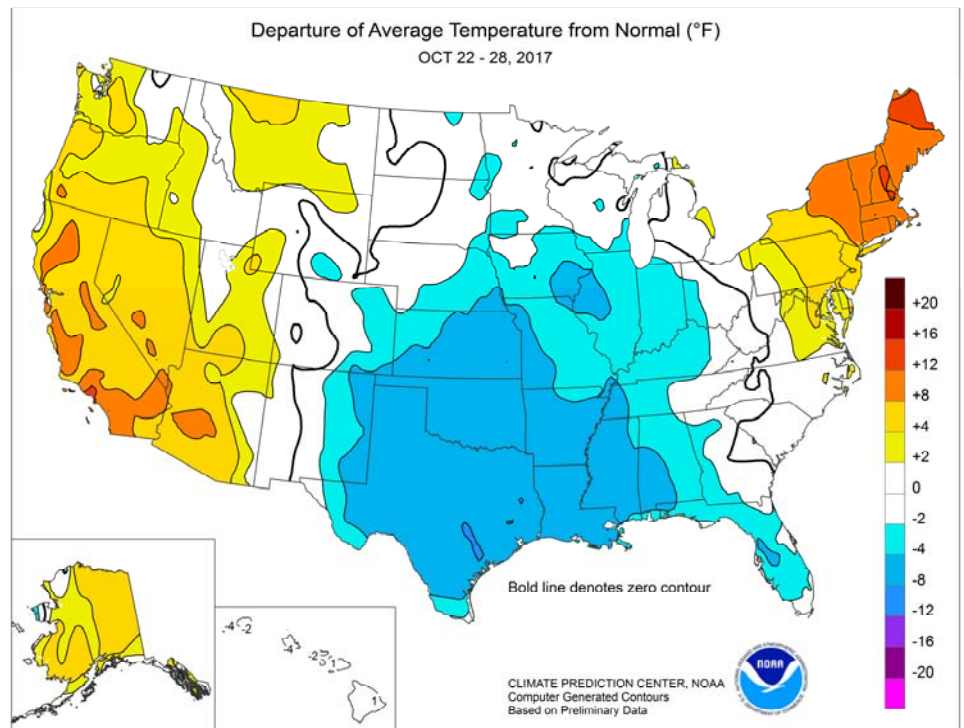


(Continued from front cover)

topped 4 inches in several other areas, including portions of the **Tennessee Valley**, **New England**, and the **southern Appalachians**. Prior to the **Eastern** rain, many locations had experienced significant, short-term dryness. On October 28, Tropical Storm Philippe formed near **western Cuba** before racing northeastward. Philippe, the sixteenth named storm of the **Atlantic** hurricane season, later merged with a cold front after delivering locally heavy showers to **southern Florida**. Weekly temperatures were at least 10°F above normal in much of **New England** and parts of **coastal California**, but averaged more than 5°F below normal from the **central and southern Plains** into the **lower Mississippi Valley**. In particular, a late-week cold surge resulted in widespread temperatures below 20°F and isolated readings below 10°F across the **northern and central Plains**, possibly burning back recently emerged winter wheat.

During the first half of the week, triple-digit heat affected **southern California**. In **Long Beach** and **downtown Los Angeles**, high temperatures reached or exceeded 100°F each day from October 23-25. Previously, the year's latest such streak in both locations had occurred from October 15-17, 1958. At the height of **California's** heat wave, highs on October 24 soared to 108°F in **San Luis Obispo**; 105°F in **Long Beach**; and 104°F in **downtown Los Angeles**. **Camarillo, CA**, posted a high of 106°F on October 23, the second-highest reading on record in that location behind 108°F on October 9, 2015. From October 23-25, **Camarillo** achieved three consecutive triple-digit readings (106, 104, and 103°F) for the first time on record. Elsewhere in **southern California**, **Oxnard** set an October record with a high of 104°F on the 23rd. Previously, **Oxnard's** highest October reading of 103°F had occurred on October 15, 1961. From October 23-25, **Los Angeles' LAX Airport** registered a trio of triple-digit readings (101, 104, and 100°F), representing the first October occurrence of 100-degree heat in that location since October 4, 1987. **LAX Airport** had never achieved three consecutive highs of 100°F or greater later than October 3-5—a record that was established in 1953. Farther east, **Phoenix, AZ**, collected a daily-record high of 99°F on October 24. Warmth briefly expanded across the **Plains** at mid-week, when record-setting highs for October 25 reached 85°F in **Scottsbluff, NE**; 84°F in **Denver, CO**; and 79°F in **Billings, MT**. Also on the 25th, however, high winds associated with a cold front swept across **northern sections of the Rockies and High Plains**, resulting in gusts of 60 to 90 mph or higher. In **northern Montana**, a wind gust to 81 mph was clocked near **Fort Benton**, while an automated observation site in **Glacier County**, near **Browning**, reported a gust to 94 mph. Warmth lingered through week's end in the **Far West**, but markedly colder air trailed the cold front into the **central U.S.** In **Nebraska**, low temperatures on October 27 plunged to 7°F in **Alliance** and 9°F—a record for the date—in **Sidney**. A day later in **Kansas**, record-setting lows for October 28 dipped to 12°F in **Russell**; 16°F in **Garden City**; and 18°F in **Medicine Lodge**. **Gage, OK**, also collected a daily-record low (17°F) on October 28. In contrast, **Stockton, CA**, ended the week with four consecutive daily-record highs (90, 89, 90, and 87°F) from October 25-28.

Lingering precipitation in the **Pacific Northwest** led to record-setting totals for October 22 in **Washington** locations such as **Satus Pass** (1.93 inches) and **Goldendale** (1.10 inches). Meanwhile, heavy rain erupted in the **East**, including the **Great Lakes region**. In **Michigan**, October precipitation records were established in several communities, including **Grand Rapids**, **Muskegon**, and **Lansing**; through October 28, month-to-date totals in those respective locations reached 9.36, 9.17, and 8.59 inches. On October 23 alone, daily-record amounts in **Michigan** totaled 3.99 inches in **Houghton Lake**; 3.16 inches in **Alpena**; 2.81 inches in **Grand Rapids**; and 2.80 inches in **Muskegon**. Elsewhere, record-setting totals for the 23rd included



3.52 inches in **Asheville, NC**; 2.90 inches in **Greenville-Spartanburg, SC**; and 2.41 inches in **Bluefield, WV**. By October 24, rain swept into the **Northeast**, where **Bridgeport, CT**, netted a daily-record sum of 3.29 inches. Heavy rain lingered in **New England**, where **Concord, NH** (2.65 inches), and **Augusta, ME** (2.28 inches), measured daily-record totals for October 25. Additional heavy rain on October 26 brought daily-record amounts to locations such as **Caribou, ME** (2.92 inches), and **Worcester, MA** (2.26 inches). Late in the week, a new storm system brought renewed rain to the **eastern U.S.** and heavy snow across the **upper Great Lakes region**. **Duluth, MN**, received 10.6 inches of snow on the 27th—the snowiest October day on record in that location (previously, 10.0 inches on October 23, 1933). Elsewhere in **Minnesota** on the 27th, **Rochester** reported a daily-record snowfall of 2.6 inches. On the same date, a trace of sleet fell in **Little Rock, AR**, marking the city's earliest frozen precipitation on record (previously, October 28, 1925). A trace of snow or sleet also occurred on October 27 in locations such as **Abilene, TX**; **St. Louis, MO**; and **Indianapolis, IN**. By October 28, the return of heavy showers across the **East** resulted in daily-record totals in **Fort Lauderdale, FL** (2.18 inches), and **Blacksburg, VA** (1.78 inches). In southern Florida, October 28-29 rainfall associated with Tropical Storm Philippe topped 5 inches in a few locations, including **West Palm Beach** (6.72 inches) and **Pompano Beach** (5.65 inches). During the same 2-day period, wind gusts were clocked to 42 mph in **Miami**; 41 mph in **Key West**; and 40 mph in **West Palm Beach**.

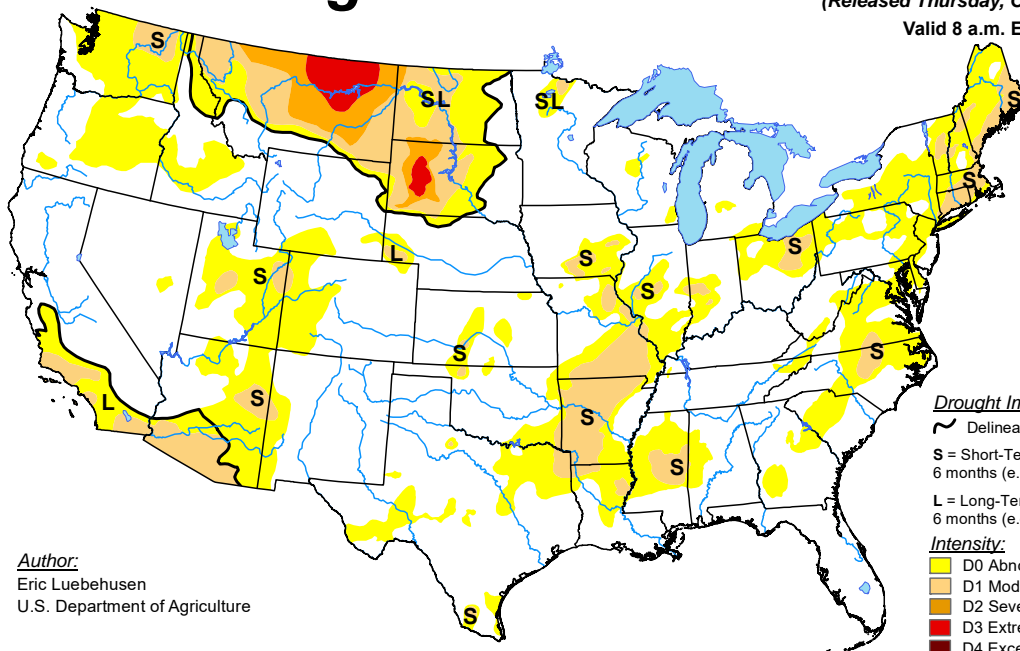
Significant precipitation fell across much of **Alaska**, accompanied by mild weather. Some of the heaviest precipitation drenched **southeastern Alaska** on October 27, when daily-record totals reached 6.38 inches in **Elfin Cove** and 5.88 inches in **Pelican**. **Sitka's** weekly rainfall totaled 4.63 inches, boosted by a daily-record sum of 2.44 inches on October 26. Meanwhile, **Anchorage** posted consecutive daily-record highs (51 and 50°F, respectively) on October 26-27. Earlier, cold weather had lingered across much of **Alaska**, including the **Aleutians**, where **Cold Bay** opened the week with a trio of daily-record lows (21, 20, and 19°F) from October 22-24. **Cold Bay** subsequently received 2.13 inches of rain from October 24-28. Farther south, heavy showers also soaked parts of **Hawaii**, in conjunction with a cold front's passage. On the **Big Island**, **Hilo** received a record-setting total (5.48 inches) for October 24. A day earlier, **Honolulu, Oahu**, had received 2.49 inches, a record in that location for October 23. Through the 28th, **Hilo's** month-to-date rainfall climbed to 17.17 inches, 199 percent of normal. In advance of the cold front, **Hilo** collected a daily-record high of 88°F on October 23.

U.S. Drought Monitor

October 24, 2017

(Released Thursday, Oct. 26, 2017)

Valid 8 a.m. EDT



Author:

Eric Luebbehusen
U.S. Department of Agriculture

Drought Impact Types:

~ Delineates dominant impacts

S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)

L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

D0 Abnormally Dry

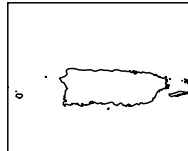
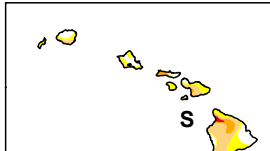
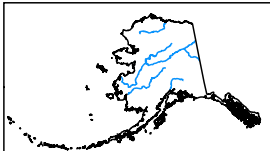
D1 Moderate Drought

D2 Severe Drought

D3 Extreme Drought

D4 Exceptional Drought

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

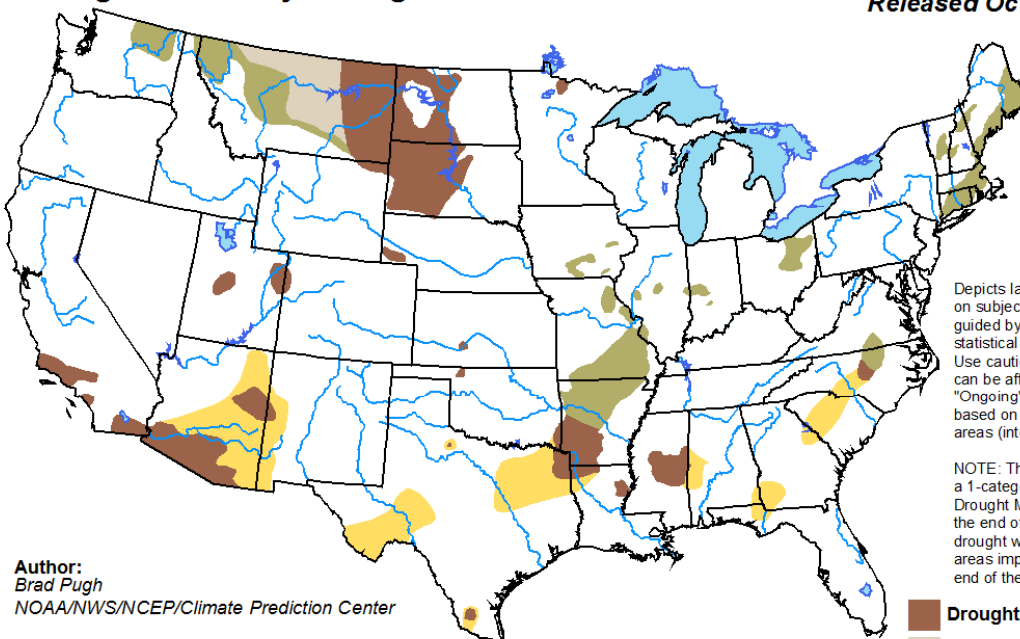


<http://droughtmonitor.unl.edu/>

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for November 2017
Released October 31, 2017



Author:

Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

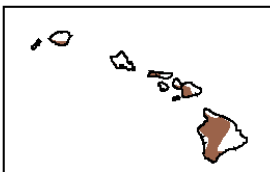
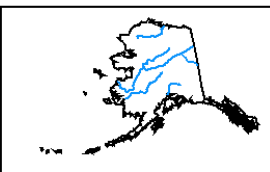
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Drought persists

Drought remains but improves

Drought removal likely

Drought development likely



<http://go.usa.gov/3eZGd>

National Weather Data for Selected Cities

Weather Data for the Week Ending October 28, 2017

Data Provided by Climate Prediction Center

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | |
|---------------------------|-----------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|--------------------------|----------------------------|---------------------------|----------------------------|--------------------|---------------------------------|--------------|----------------|---------------------|---------------------|--|
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN. SINCE SEP 1 | PCT. NORMAL SINCE SEP 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 | 70 | 48 | 78 | 41 | 59 | -1 | 2.41 | 1.71 | 1.01 | 8.03 | 117 | 63.59 | 143 | 93 | 48 | 0 | 0 | 3 | 2 | |
| | HUNTSVILLE | 68 | 46 | 79 | 38 | 57 | -2 | 1.99 | 1.22 | 0.99 | 8.02 | 108 | 48.20 | 104 | 98 | 54 | 0 | 0 | 4 | 1 | |
| | MOBILE | 72 | 50 | 79 | 43 | 61 | -4 | 4.13 | 3.45 | 4.07 | 14.74 | 166 | 77.20 | 138 | 89 | 56 | 0 | 0 | 3 | 1 | |
| | MONTGOMERY | 74 | 49 | 83 | 41 | 61 | -2 | 2.50 | 1.99 | 1.98 | 7.91 | 121 | 66.51 | 148 | 85 | 44 | 0 | 0 | 3 | 1 | |
| AK | ANCHORAGE | 44 | 31 | 51 | 20 | 37 | 6 | 0.13 | -0.26 | 0.08 | 4.48 | 93 | 16.41 | 119 | 88 | 70 | 0 | 4 | 4 | 0 | |
| | BARROW | 24 | 9 | 30 | -5 | 17 | 7 | 0.17 | 0.11 | 0.08 | 1.49 | 146 | 8.34 | 219 | 95 | 82 | 0 | 7 | 4 | 0 | |
| | FAIRBANKS | 32 | 17 | 42 | -2 | 25 | 7 | 0.14 | -0.05 | 0.10 | 3.33 | 175 | 12.19 | 139 | 93 | 88 | 0 | 7 | 4 | 0 | |
| | JUNEAU | 45 | 36 | 50 | 26 | 41 | 1 | 4.25 | 2.49 | 2.40 | 17.54 | 115 | 59.07 | 126 | 100 | 98 | 0 | 1 | 6 | 3 | |
| | KODIAK | 46 | 33 | 54 | 20 | 40 | 2 | 2.01 | 0.23 | 0.60 | 11.53 | 74 | 52.16 | 86 | 93 | 75 | 0 | 3 | 4 | 3 | |
| | NOME | 28 | 18 | 33 | 9 | 24 | -1 | 0.47 | 0.16 | 0.15 | 5.78 | 147 | 14.47 | 103 | 94 | 87 | 0 | 7 | 5 | 0 | |
| | FLAGSTAFF | 69 | 32 | 73 | 25 | 51 | 7 | 0.00 | -0.41 | 0.00 | 0.42 | 11 | 18.00 | 95 | 51 | 13 | 0 | 4 | 0 | 0 | |
| | PHOENIX | 94 | 65 | 99 | 61 | 79 | 8 | 0.00 | -0.17 | 0.00 | 0.00 | 0 | 4.71 | 72 | 29 | 15 | 7 | 0 | 0 | 0 | |
| | PRESCOTT | 80 | 40 | 86 | 38 | 60 | 8 | 0.00 | -0.25 | 0.00 | 0.52 | 16 | 12.37 | 75 | 49 | 11 | 0 | 0 | 0 | 0 | |
| | TUCSON | 92 | 58 | 96 | 55 | 75 | 7 | 0.00 | -0.23 | 0.00 | 0.03 | 1 | 10.17 | 98 | 29 | 15 | 5 | 0 | 0 | 0 | |
| | FORT SMITH | 70 | 40 | 82 | 29 | 55 | -5 | 1.70 | 0.79 | 1.70 | 3.29 | 47 | 45.39 | 129 | 87 | 32 | 0 | 1 | 1 | 1 | |
| | LITTLE ROCK | 68 | 42 | 80 | 31 | 55 | -5 | 0.74 | -0.27 | 0.49 | 1.69 | 23 | 38.98 | 98 | 89 | 39 | 0 | 1 | 2 | 0 | |
| CA | BAKERSFIELD | 87 | 55 | 94 | 49 | 71 | 6 | 0.00 | -0.07 | 0.00 | 0.52 | 158 | 5.31 | 106 | 58 | 38 | 2 | 0 | 0 | 0 | |
| | FRESNO | 85 | 54 | 89 | 48 | 69 | 7 | 0.00 | -0.17 | 0.00 | 0.25 | 34 | 12.89 | 150 | 76 | 46 | 0 | 0 | 0 | 0 | |
| | LOS ANGELES | 90 | 65 | 104 | 60 | 77 | 11 | 0.00 | -0.09 | 0.00 | 0.08 | 17 | 12.15 | 121 | 60 | 34 | 4 | 0 | 0 | 0 | |
| | REDDING | 90 | 51 | 95 | 42 | 71 | 11 | 0.00 | -0.63 | 0.00 | 0.94 | 45 | 29.33 | 121 | 71 | 35 | 5 | 0 | 0 | 0 | |
| | SACRAMENTO | 85 | 50 | 88 | 45 | 68 | 6 | 0.00 | -0.26 | 0.00 | 0.15 | 15 | 23.78 | 183 | 99 | 29 | 0 | 0 | 0 | 0 | |
| | SAN DIEGO | 87 | 64 | 98 | 59 | 75 | 9 | 0.00 | -0.12 | 0.00 | 0.08 | 17 | 7.83 | 95 | 59 | 29 | 3 | 0 | 0 | 0 | |
| | SAN FRANCISCO | 80 | 57 | 91 | 52 | 69 | 9 | 0.00 | -0.31 | 0.00 | 0.43 | 48 | 22.40 | 156 | 80 | 58 | 1 | 0 | 0 | 0 | |
| | STOCKTON | 87 | 49 | 90 | 42 | 68 | 6 | 0.00 | -0.22 | 0.00 | 0.12 | 13 | 15.75 | 158 | 83 | 48 | 3 | 0 | 0 | 0 | |
| CO | ALAMOSA | 62 | 19 | 68 | 15 | 41 | 1 | 0.00 | -0.14 | 0.00 | 1.80 | 123 | 10.49 | 165 | 76 | 27 | 0 | 7 | 0 | 0 | |
| | CO SPRINGS | 61 | 31 | 79 | 20 | 46 | 0 | 0.00 | -0.19 | 0.00 | 2.94 | 153 | 18.22 | 112 | 63 | 24 | 0 | 5 | 0 | 0 | |
| | DENVER INTL | 63 | 31 | 84 | 13 | 47 | 0 | 0.00 | -0.17 | 0.00 | 2.20 | 123 | 11.17 | 89 | 56 | 25 | 0 | 3 | 0 | 0 | |
| | GRAND JUNCTION | 66 | 34 | 69 | 30 | 50 | 1 | 0.00 | -0.21 | 0.00 | 1.02 | 57 | 5.03 | 66 | 52 | 25 | 0 | 3 | 0 | 0 | |
| | PUEBLO | 66 | 30 | 83 | 26 | 48 | -1 | 0.00 | -0.15 | 0.00 | 1.40 | 104 | 15.66 | 139 | 69 | 31 | 0 | 5 | 0 | 0 | |
| | BRIDGEPORT | 69 | 52 | 76 | 44 | 61 | 9 | 3.78 | 2.98 | 3.38 | 6.08 | 91 | 34.66 | 95 | 87 | 60 | 0 | 0 | 2 | 1 | |
| | HARTFORD | 69 | 48 | 76 | 37 | 58 | 8 | 5.12 | 4.23 | 3.86 | 8.28 | 109 | 39.39 | 104 | 96 | 60 | 0 | 0 | 3 | 2 | |
| | WASHINGTON | 71 | 52 | 78 | 43 | 62 | 6 | 0.15 | -0.51 | 0.12 | 2.47 | 37 | 32.11 | 97 | 84 | 48 | 0 | 0 | 2 | 0 | |
| DE | WILMINGTON | 70 | 48 | 76 | 39 | 59 | 6 | 0.40 | -0.21 | 0.40 | 2.96 | 43 | 35.08 | 98 | 91 | 48 | 0 | 0 | 1 | 0 | |
| FL | DAYTONA BEACH | 79 | 62 | 86 | 52 | 70 | -2 | 1.48 | 0.60 | 1.35 | 17.47 | 161 | 47.14 | 109 | 99 | 57 | 0 | 0 | 3 | 1 | |
| | JACKSONVILLE | 80 | 57 | 88 | 46 | 69 | 2 | 0.03 | -0.60 | 0.03 | 17.11 | 146 | 64.85 | 137 | 89 | 44 | 0 | 0 | 1 | 0 | |
| | KEY WEST | 83 | 75 | 87 | 69 | 79 | 0 | 1.12 | 0.21 | 0.69 | 13.57 | 144 | 33.81 | 100 | 82 | 65 | 0 | 0 | 4 | 1 | |
| | MIAMI | 83 | 72 | 88 | 61 | 78 | 0 | 5.00 | 3.72 | 2.35 | 27.46 | 194 | 77.93 | 148 | 85 | 60 | 0 | 0 | 3 | 2 | |
| | ORLANDO | 79 | 62 | 88 | 53 | 70 | -4 | 0.30 | -0.17 | 0.16 | 17.72 | 211 | 51.18 | 117 | 93 | 55 | 0 | 0 | 2 | 0 | |
| | PENSACOLA | 76 | 56 | 84 | 47 | 66 | -1 | 5.56 | 4.67 | 2.76 | 10.81 | 114 | 85.65 | 155 | 80 | 48 | 0 | 0 | 4 | 2 | |
| | TALLAHASSEE | 78 | 52 | 88 | 39 | 65 | -2 | 1.94 | 1.23 | 1.11 | 7.45 | 94 | 52.72 | 96 | 95 | 48 | 0 | 0 | 3 | 2 | |
| | TAMPA | 81 | 65 | 91 | 57 | 73 | -1 | 0.33 | 0.02 | 0.16 | 13.04 | 147 | 46.61 | 114 | 79 | 48 | 1 | 0 | 3 | 0 | |
| GA | WEST PALM BEACH | 82 | 68 | 88 | 56 | 75 | -2 | 6.19 | 5.03 | 5.88 | 22.18 | 170 | 57.07 | 109 | 86 | 66 | 0 | 0 | 4 | 1 | |
| | ATHENS | 71 | 45 | 82 | 36 | 58 | -1 | 2.81 | 2.03 | 1.68 | 9.90 | 151 | 51.89 | 130 | 99 | 56 | 0 | 0 | 2 | 2 | |
| | ATLANTA | 70 | 47 | 79 | 41 | 59 | -1 | 1.89 | 1.24 | 1.29 | 8.12 | 118 | 47.06 | 112 | 91 | 55 | 0 | 0 | 3 | 2 | |
| | AUGUSTA | 78 | 48 | 84 | 37 | 63 | 2 | 0.20 | -0.52 | 0.17 | 5.11 | 79 | 39.48 | 103 | 92 | 43 | 0 | 0 | 2 | 0 | |
| | COLUMBUS | 74 | 50 | 84 | 42 | 62 | -1 | 2.36 | 1.84 | 2.10 | 7.81 | 154 | 46.82 | 117 | 89 | 39 | 0 | 0 | 3 | 1 | |
| | MACON | 76 | 46 | 86 | 37 | 61 | 0 | 1.90 | 1.39 | 1.46 | 6.85 | 128 | 44.39 | 118 | 96 | 40 | 0 | 0 | 2 | 1 | |
| | SAVANNAH | 76 | 54 | 83 | 43 | 65 | 0 | 0.72 | 0.07 | 0.56 | 9.42 | 119 | 51.78 | 117 | 93 | 49 | 0 | 0 | 2 | 1 | |
| | HILO | 82 | 71 | 88 | 68 | 77 | 2 | 6.84 | 4.38 | 6.75 | 21.15 | 123 | 75.21 | 76 | 94 | 81 | 0 | 0 | 4 | 1 | |
| | HONOLULU | 84 | 68 | 86 | 58 | 76 | -4 | 2.52 | 2.00 | 2.22 | 2.82 | 109 | 18.68 | 146 | 82 | 70 | 0 | 0 | 2 | 1 | |
| | KAHULUI | 90 | 67 | 93 | 63 | 79 | 1 | 0.56 | 0.27 | 0.41 | 1.18 | 103 | 16.44 | 124 | 86 | 73 | 5 | 0 | 3 | 0 | |
| | LIHUE | 83 | 69 | 85 | 64 | 76 | -2 | 1.60 | 0.59 | 1.08 | 3.12 | 49 | 20.99 | 71 | 84 | 54 | 0 | 0 | 3 | 1 | |
| | BOISE | 64 | 40 | 68 | 37 | 52 | 2 | 0.00 | -0.17 | 0.00 | 1.12 | 83 | 12.54 | 135 | 84 | 61 | 0 | 0 | 0 | 0 | |
| ID | LEWISTON | 62 | 42 | 65 | 37 | 52 | 3 | 0.00 | -0.22 | 0.00 | 1.73 | 110 | 12.13 | 118 | 85 | 70 | 0 | 0 | 0 | 0 | |
| | POCATELLO | 61 | 30 | 69 | 22 | 46 | 1 | 0.00 | -0.21 | 0.00 | 3.46 | 206 | 15.01 | 147 | 81 | 51 | 0 | 5 | 0 | 0 | |
| | CHICAGO/O'HARE | 54 | 42 | 70 | 36 | 48 | -1 | 1.97 | 1.34 | 0.88 | 9.02 | 161 | 40.76 | 134 | 83 | 68 | 0 | 0 | 3 | 2 | |
| | MOLINE | 57 | 39 | 72 | 28 | 48 | -2 | 0.37 | -0.27 | 0.33 | 8.34 | 149 | 34.87 | 107 | 80 | 59 | 0 | 1 | 2 | 0 | |
| | PEORIA | 56 | 41 | 71 | 34 | 49 | -1 | 0.74 | 0.15 | 0.54 | 5.83 | 105 | 31.55 | 104 | 89 | 57 | 0 | 0 | 3 | 1 | |
| | ROCKFORD | 53 | 39 | 68 | 35 | 46 | -2 | 1.77 | 1.22 | 0.79 | 6.37 | 111 | 43.16 | 136 | 88 | 68 | 0 | 0 | 4 | 2 | |
| | SPRINGFIELD | 59 | 41 | 72 | 33 | 50 | -3 | 0.22 | -0.36 | 0.14 | 5.24 | 102 | 30.48 | 102 | 89 | 51 | 0 | 0 | 4 | 0 | |
| | EVANSVILLE | 61 | 43 | 77 | 35 | 52 | -3 | 2.16 | 1.51 | 1.11 | 6.95 | 130 | 38.68 | 107 | 87 | 58 | 0 | 0 | 3 | 2 | |
| | FORT WAYNE | 57 | 40 | 79 | 29 | 48 | -2 | 0.92 | 0.32 | 0.53 | 3.90 | 77 | 43.18 | 142 | 86 | 58 | 0 | 2 | 3 | 1 | |
| | INDIANAPOLIS | 58 | 41 | 79 | 34 | 49 | -3 | 0.73 | 0.08 | 0.44 | 3.53 | 67 | 42.28 | 125 | 89 | 61 | 0 | 0 | 3 | 0 | |
| | SOUTH BEND | 53 | 40 | 73 | 29 | 46 | -3 | 0.94 | 0.22 | 0.67 | 9.89 | 148 | 37.48 | 114 | *** | *** | 0 | 2 | 3 | 1 | |
| | BURLINGTON | 57 | 39 | 74 | 25 | 48 | -4 | 0.52 | -0.09 | 0.50 | 5.35 | 86 | 30.68 | 93 | 89 | 53 | 0 | 1 | 3 | 1 | |
| IA | CEDAR RAPIDS | 53 | 34 | | | | | | | | | | | | | | | | | | |

Weather Data for the Week Ending October 28, 2017

| 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 SEP 1 | PCT. NORMAL SINCE SEP 1 | TOTAL IN., SINCE JAN01 | PCT. NORMAL SINCE JAN01 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | PRECIP | | | |
| | | | | | | | | | | | | | | | | | | | .01 INCH OR MORE | .50 INCH OR MORE | | |
| KY | WICHITA | 66 | 37 | 79 | 25 | 52 | -4 | 0.00 | -0.50 | 0.00 | 5.88 | 113 | 33.23 | 123 | 76 | 32 | 0 | 2 | 0 | 0 | | |
| | JACKSON | 64 | 43 | 77 | 34 | 53 | -2 | 2.08 | 1.38 | 1.45 | 8.58 | 131 | 46.90 | 116 | 90 | 50 | 0 | 0 | 2 | 2 | | |
| | LEXINGTON | 62 | 42 | 77 | 34 | 52 | -2 | 1.70 | 1.12 | 0.87 | 9.51 | 173 | 45.03 | 118 | 83 | 57 | 0 | 0 | 4 | 2 | | |
| | LOUISVILLE | 63 | 44 | 78 | 36 | 54 | -2 | 1.98 | 1.35 | 1.11 | 10.37 | 190 | 39.75 | 108 | 87 | 52 | 0 | 0 | 4 | 2 | | |
| LA | PADUCAH | 64 | 42 | 77 | 31 | 53 | -2 | 1.58 | 0.83 | 0.97 | 6.51 | 98 | 39.63 | 99 | 82 | 51 | 0 | 1 | 3 | 2 | | |
| | BATON ROUGE | 73 | 49 | 82 | 41 | 61 | -5 | 0.85 | 0.00 | 0.40 | 3.70 | 45 | 59.09 | 112 | 94 | 36 | 0 | 0 | 3 | 0 | | |
| | LAKE CHARLES | 75 | 51 | 83 | 44 | 63 | -4 | 0.90 | 0.09 | 0.61 | 4.78 | 50 | 68.02 | 143 | 89 | 40 | 0 | 0 | 2 | 1 | | |
| | NEW ORLEANS | 74 | 53 | 83 | 47 | 64 | -4 | 1.21 | 0.55 | 0.96 | 3.57 | 43 | 67.22 | 125 | 92 | 53 | 0 | 0 | 3 | 1 | | |
| ME | SHREVEPORT | 72 | 45 | 81 | 34 | 59 | -5 | 0.77 | -0.27 | 0.77 | 0.80 | 11 | 30.90 | 74 | 87 | 32 | 0 | 0 | 1 | 1 | | |
| | CARIBOU | 63 | 45 | 71 | 31 | 54 | 14 | 4.14 | 3.47 | 2.84 | 8.93 | 152 | 34.78 | 113 | 91 | 66 | 0 | 1 | 3 | 2 | | |
| | PORTLAND | 62 | 47 | 65 | 35 | 55 | 10 | 3.20 | 2.16 | 1.70 | 6.05 | 84 | 36.74 | 101 | 96 | 75 | 0 | 0 | 3 | 2 | | |
| | BALTIMORE | 69 | 44 | 76 | 35 | 57 | 4 | 0.13 | -0.52 | 0.08 | 3.50 | 51 | 33.74 | 96 | 92 | 49 | 0 | 0 | 2 | 0 | | |
| MA | BOSTON | 67 | 53 | 75 | 46 | 60 | 8 | 1.59 | 0.72 | 1.15 | 5.81 | 86 | 37.09 | 108 | 95 | 69 | 0 | 0 | 3 | 1 | | |
| | WORCESTER | 66 | 49 | 78 | 40 | 58 | 11 | 4.77 | 3.71 | 2.22 | 8.00 | 95 | 37.22 | 92 | 94 | 57 | 0 | 0 | 3 | 3 | | |
| | ALPENA | 55 | 41 | 78 | 29 | 48 | 5 | 3.60 | 3.10 | 3.17 | 8.23 | 169 | 36.23 | 150 | 97 | 73 | 0 | 1 | 5 | 1 | | |
| | GRAND RAPIDS | 55 | 40 | 75 | 28 | 48 | 1 | 4.32 | 3.75 | 2.89 | 10.10 | 149 | 34.43 | 112 | 98 | 72 | 0 | 1 | 4 | 2 | | |
| MI | HOUGHTON LAKE | 52 | 37 | 76 | 25 | 45 | 2 | 4.88 | 4.38 | 4.08 | 7.44 | 145 | 34.05 | 140 | 94 | 68 | 0 | 2 | 5 | 1 | | |
| | LANSING | 56 | 40 | 77 | 28 | 48 | 1 | 2.72 | 2.24 | 1.79 | 9.53 | 173 | 35.23 | 133 | 84 | 62 | 0 | 1 | 4 | 2 | | |
| | MUSKEGON | 55 | 41 | 74 | 29 | 48 | 1 | 5.46 | 4.83 | 2.74 | 9.69 | 163 | 30.85 | 116 | 85 | 65 | 0 | 2 | 4 | 3 | | |
| | TRAVERSE CITY | 53 | 41 | 78 | 30 | 47 | 1 | 4.37 | 3.74 | 2.33 | 9.05 | 145 | 33.44 | 120 | 90 | 65 | 0 | 1 | 6 | 3 | | |
| MN | DULUTH | 46 | 35 | 60 | 23 | 40 | -1 | 0.56 | 0.06 | 0.36 | 6.96 | 109 | 34.74 | 125 | 85 | 66 | 0 | 2 | 2 | 0 | | |
| | INT'L FALLS | 46 | 34 | 59 | 26 | 40 | 2 | 0.67 | 0.28 | 0.50 | 4.66 | 96 | 21.40 | 99 | 87 | 57 | 0 | 3 | 3 | 1 | | |
| | MINNEAPOLIS | 52 | 38 | 64 | 29 | 45 | 0 | 0.25 | -0.23 | 0.25 | 5.53 | 123 | 31.17 | 119 | 79 | 59 | 0 | 2 | 1 | 0 | | |
| | ROCHESTER | 49 | 34 | 61 | 25 | 42 | -2 | 0.21 | -0.26 | 0.21 | 7.21 | 142 | 34.69 | 123 | 86 | 67 | 0 | 4 | 1 | 0 | | |
| MS | ST. CLOUD | 50 | 34 | 62 | 29 | 42 | 0 | 0.10 | -0.40 | 0.10 | 7.87 | 160 | 29.40 | 119 | 89 | 52 | 0 | 4 | 1 | 0 | | |
| | JACKSON | 73 | 47 | 82 | 38 | 60 | -2 | 1.08 | 0.27 | 0.71 | 3.24 | 53 | 57.14 | 127 | 85 | 39 | 0 | 0 | 3 | 1 | | |
| | MERIDIAN | 71 | 46 | 79 | 38 | 59 | -3 | 1.08 | 0.36 | 0.45 | 3.49 | 54 | 56.37 | 118 | 93 | 49 | 0 | 0 | 3 | 0 | | |
| | TUPELO | 69 | 46 | 79 | 38 | 58 | -1 | 0.77 | 0.01 | 0.52 | 3.71 | 59 | 39.76 | 90 | 80 | 46 | 0 | 0 | 3 | 1 | | |
| MO | COLUMBIA | 61 | 40 | 81 | 27 | 51 | -2 | 0.55 | -0.16 | 0.50 | 5.67 | 91 | 37.08 | 109 | 81 | 50 | 0 | 1 | 2 | 1 | | |
| | KANSAS CITY | 60 | 37 | 70 | 27 | 49 | -5 | 0.29 | -0.32 | 0.29 | 7.67 | 98 | 45.55 | 134 | 80 | 36 | 0 | 1 | 1 | 0 | | |
| | SAINT LOUIS | 62 | 43 | 77 | 34 | 53 | -2 | 0.55 | -0.08 | 0.50 | 3.97 | 74 | 34.26 | 108 | 77 | 53 | 0 | 0 | 2 | 1 | | |
| | SPRINGFIELD | 63 | 39 | 81 | 26 | 51 | -5 | 0.00 | -0.73 | 0.00 | 1.64 | 21 | 44.21 | 120 | 79 | 48 | 0 | 2 | 0 | 0 | | |
| MT | BILLINGS | 64 | 37 | 79 | 26 | 51 | 6 | 0.00 | -0.24 | 0.00 | 3.02 | 122 | 14.56 | 110 | 60 | 29 | 0 | 2 | 0 | 0 | | |
| | BUTTE | 57 | 25 | 67 | 20 | 41 | 3 | 0.02 | -0.15 | 0.02 | 1.93 | 108 | 10.70 | 93 | 89 | 34 | 0 | 6 | 1 | 0 | | |
| | CUT BANK | 59 | 33 | 72 | 21 | 46 | 6 | 0.08 | 0.00 | 0.08 | 0.71 | 46 | 8.11 | 70 | 75 | 29 | 0 | 3 | 1 | 0 | | |
| | GLASGOW | 61 | 28 | 77 | 19 | 44 | 2 | 0.01 | -0.12 | 0.01 | 1.93 | 120 | 5.64 | 54 | 78 | 52 | 0 | 5 | 1 | 0 | | |
| NE | GREAT FALLS | 59 | 34 | 68 | 25 | 47 | 4 | 0.02 | -0.17 | 0.01 | 2.67 | 131 | 12.32 | 91 | 71 | 28 | 0 | 3 | 2 | 0 | | |
| | HAVRE | 61 | 30 | 74 | 19 | 46 | 4 | 0.00 | -0.11 | 0.00 | 1.59 | 101 | 5.18 | 50 | 75 | 41 | 0 | 4 | 0 | 0 | | |
| | MISSOULA | 57 | 29 | 66 | 24 | 43 | 1 | 0.13 | -0.04 | 0.11 | 1.72 | 97 | 12.01 | 104 | 92 | 71 | 0 | 6 | 2 | 0 | | |
| | GRAND ISLAND | 60 | 32 | 77 | 15 | 46 | -3 | 0.00 | -0.30 | 0.00 | 7.96 | 212 | 29.54 | 125 | 66 | 45 | 0 | 3 | 0 | 0 | | |
| NV | LINCOLN | 61 | 36 | 76 | 22 | 49 | -1 | 0.00 | -0.39 | 0.00 | 6.74 | 144 | 36.57 | 142 | 66 | 37 | 0 | 2 | 0 | 0 | | |
| | NORFOLK | 58 | 32 | 74 | 14 | 45 | -3 | 0.00 | -0.36 | 0.00 | 5.62 | 149 | 27.39 | 112 | 68 | 42 | 0 | 3 | 0 | 0 | | |
| | NORTH PLATTE | 62 | 26 | 80 | 12 | 44 | -2 | 0.00 | -0.25 | 0.00 | 7.80 | 325 | 27.35 | 149 | 77 | 21 | 0 | 5 | 0 | 0 | | |
| | OMAHA | 59 | 36 | 70 | 20 | 48 | -2 | 0.00 | -0.44 | 0.00 | 6.72 | 129 | 25.89 | 95 | 70 | 38 | 0 | 2 | 0 | 0 | | |
| NM | SCOTTSBLUFF | 64 | 29 | 85 | 16 | 46 | 1 | 0.00 | -0.19 | 0.00 | 2.25 | 107 | 14.28 | 96 | 61 | 32 | 0 | 4 | 0 | 0 | | |
| | VALENTINE | 62 | 29 | 80 | 11 | 46 | 1 | 0.00 | -0.23 | 0.00 | 3.92 | 144 | 18.93 | 103 | 64 | 36 | 0 | 4 | 0 | 0 | | |
| | ELY | 69 | 25 | 73 | 22 | 47 | 4 | 0.00 | -0.21 | 0.00 | 1.76 | 97 | 9.15 | 105 | 63 | 31 | 0 | 7 | 0 | 0 | | |
| | LAS VEGAS | 86 | 60 | 91 | 55 | 73 | 8 | 0.00 | -0.03 | 0.00 | 0.46 | 100 | 2.38 | 64 | 28 | 16 | 1 | 0 | 0 | 0 | | |
| NH | RENO | 76 | 39 | 78 | 35 | 57 | 8 | 0.00 | -0.09 | 0.00 | 0.97 | 128 | 12.44 | 219 | 74 | 43 | 0 | 0 | 0 | 0 | | |
| | WINNEMUCCA | 73 | 28 | 76 | 23 | 51 | 5 | 0.00 | -0.14 | 0.00 | 0.24 | 23 | 7.16 | 109 | 80 | 36 | 0 | 6 | 0 | 0 | | |
| | CONCORD | 68 | 47 | 76 | 35 | 57 | 12 | 4.61 | 3.82 | 2.21 | 8.55 | 139 | 37.34 | 122 | 95 | 62 | 0 | 0 | 3 | 3 | | |
| | NEWARK | 70 | 51 | 77 | 41 | 60 | 6 | 0.21 | -0.47 | 0.21 | 2.58 | 38 | 40.25 | 105 | 83 | 49 | 0 | 0 | 1 | 0 | | |
| NY | ALBUQUERQUE | 67 | 42 | 76 | 37 | 55 | 1 | 0.00 | -0.22 | 0.00 | 2.24 | 115 | 7.67 | 93 | 49 | 22 | 0 | 0 | 0 | 0 | | |
| | ALBANY | 67 | 46 | 75 | 37 | 56 | 9 | 0.81 | 0.08 | 0.74 | 4.46 | 73 | 36.26 | 114 | 84 | 50 | 0 | 0 | 2 | 1 | | |
| | BINGHAMTON | 61 | 43 | 71 | 34 | 52 | 6 | 0.54 | -0.11 | 0.42 | 3.35 | 53 | 43.07 | 135 | 84 | 55 | 0 | 0 | 2 | 0 | | |
| | BUFFALO | 63 | 45 | 79 | 37 | 54 | 6 | 1.27 | 0.55 | 0.77 | 6.90 | 104 | 39.18 | 121 | 89 | 52 | 0 | 0 | 4 | 1 | | |
| NC | ROCHESTER | 65 | 45 | 75 | 36 | 55 | 7 | 0.48 | -0.07 | 0.29 | 5.50 | 95 | 36.51 | 130 | 87 | 57 | 0 | 0 | 2 | 0 | | |
| | SYRACUSE | 67 | 46 | 77 | 38 | 57 | 9 | 0.71 | 0.04 | 0.58 | 3.99 | 57 | 36.50 | 111 | 90 | 49 | 0 | 0 | 3 | 1 | | |
| | ASHEVILLE | 64 | 41 | 71 | 33 | 53 | 0 | 5.87 | 5.13 | 3.50 | 13.43 | 208 | 50.05 | 127 | 92 | 57 | 0 | 0 | 3 | 2 | | |
| | CHARLOTTE | 71 | 45 | 79 | 37 | 58 | -1 | 2.00 | 1.20 | 1.98 | 6.64 | 94 | 41.59 | 114 | 95 | 50 | 0 | 0 | 2 | 1 | | |
| ND | GREENSBORO | 69 | 48 | 76 | 40 | 59 | 3 | 1.76 | 1.12 | 1.76 | 5.72 | 78 | 40.15 | 109 | 92 | 52 | 0 | 0 | 1 | 1 | | |
| | HATTERAS | 75 | 59 | 82 | 45 | 67 | 4 | 0.60 | -0.62 | 0.55 | 8.41 | 81 | 50.20 | 105 | 86 | 53 | 0 | 0 | 3 | 1 | | |
| | RALEIGH | 72 | 47 | 79 | 38 | 59 | 1 | 2.10 | 1.47 | 1.12 | 6.01 | 84 | 41.42 | 113 | 94 | 50 | 0 | 0 | 2 | 2 | | |
| | WILMINGTON | 75 | 53 | 80 | 41 | 64 | 2 | 1.78 | 1.24 | 1.70 | 7.43 | 75 | 54.79 | 110 | 94 | 44 | 0 | 0 | 3 | 1 | | |
| OH | BISMARCK | 59 | 28 | 67 | 11 | 43 | 1 | 0.01 | -0.24 | 0.01 | 1.57 | 57 | 14.61 | 94 | 74 | 45 | 0 | 5 | 1 | 0 | | |
| | DICKINSON | 59 | 25 | 74 | 9 | 42 | 0 | 0.00 | -0.26 | 0.00 | 2.89 | 102 | 11.46 | 75 | 79 | 28 | 0 | 6 | 0 | 0 | | |
| | FARGO | 50 | 29 | 66 | 14 | 40 | -2 | 0.01 | -0.40 | 0.01 | 3.54 | 90 | 14.21 | 73 | 85 | 50 | 0 | 4 | 1 | 0 | | |
| | GRAND FORKS | 51 | 30 | 65 | 19 | 4 | | | | | | | | | | | | | | | | |

Weather Data for the Week Ending October 28, 2017

| 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 SEP 1 | PCT. NORMAL SINCE SEP 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 |
| OK | TOLEDO | 59 | 40 | 80 | 29 | 49 | 0 | 1.06 | 0.53 | 0.61 | 6.03 | 124 | 32.83 | 119 | 93 | 62 | 0 | 1 | 4 | 1 |
| | YOUNGSTOWN | 60 | 42 | 76 | 35 | 51 | 3 | 0.86 | 0.38 | 0.61 | 3.67 | 60 | 36.39 | 115 | 90 | 69 | 0 | 0 | 4 | 1 |
| | OKLAHOMA CITY | 65 | 40 | 77 | 27 | 53 | -6 | 0.01 | -0.70 | 0.01 | 9.80 | 132 | 32.92 | 104 | 72 | 27 | 0 | 2 | 1 | 0 |
| OR | TULSA | 68 | 41 | 83 | 29 | 55 | -5 | 0.16 | -0.66 | 0.16 | 9.00 | 106 | 43.99 | 122 | 74 | 34 | 0 | 1 | 1 | 0 |
| | ASTORIA | 64 | 44 | 71 | 41 | 54 | 3 | 0.95 | -0.58 | 0.84 | 11.09 | 157 | 61.15 | 136 | 94 | 74 | 0 | 0 | 2 | 1 |
| | BURNS | 64 | 28 | 70 | 25 | 46 | 4 | 0.03 | -0.14 | 0.03 | 0.89 | 85 | 9.27 | 116 | 97 | 65 | 0 | 6 | 1 | 0 |
| PA | EUGENE | 65 | 43 | 68 | 37 | 54 | 4 | 1.25 | 0.26 | 1.25 | 5.15 | 129 | 30.76 | 92 | 100 | 93 | 0 | 0 | 1 | 1 |
| | MEDFORD | 76 | 45 | 84 | 41 | 60 | 8 | 0.00 | -0.35 | 0.00 | 1.19 | 68 | 14.41 | 118 | 98 | 52 | 0 | 0 | 0 | 0 |
| | PENDLETON | 64 | 39 | 72 | 34 | 51 | 1 | 0.03 | -0.22 | 0.03 | 2.34 | 168 | 13.70 | 145 | 88 | 68 | 0 | 0 | 1 | 0 |
| | PORTLAND | 67 | 46 | 73 | 42 | 57 | 5 | 0.89 | 0.12 | 0.88 | 6.94 | 177 | 36.26 | 144 | 96 | 76 | 0 | 0 | 2 | 1 |
| | SALEM | 70 | 45 | 74 | 39 | 57 | 6 | 1.65 | 0.82 | 1.61 | 7.79 | 207 | 41.24 | 156 | 90 | 68 | 0 | 0 | 2 | 1 |
| | ALLENTOWN | 69 | 45 | 76 | 35 | 57 | 8 | 0.61 | -0.10 | 0.59 | 5.74 | 78 | 45.27 | 120 | 83 | 47 | 0 | 0 | 2 | 1 |
| | ERIE | 62 | 45 | 79 | 38 | 54 | 3 | 1.10 | 0.26 | 0.48 | 7.84 | 95 | 42.21 | 122 | 81 | 62 | 0 | 0 | 5 | 0 |
| | MIDDLETOWN | 68 | 46 | 77 | 37 | 57 | 5 | 0.54 | -0.09 | 0.40 | 5.25 | 86 | 39.45 | 118 | 92 | 46 | 0 | 0 | 2 | 0 |
| | PHILADELPHIA | 70 | 51 | 77 | 44 | 61 | 6 | 0.33 | -0.22 | 0.33 | 5.15 | 81 | 36.36 | 103 | 81 | 48 | 0 | 0 | 1 | 0 |
| | PITTSBURGH | 61 | 43 | 77 | 36 | 52 | 2 | 1.41 | 0.93 | 0.96 | 5.22 | 100 | 38.06 | 120 | 94 | 57 | 0 | 0 | 4 | 1 |
| RI | WILKES-BARRE | 67 | 44 | 78 | 34 | 56 | 7 | 0.10 | -0.53 | 0.10 | 3.32 | 50 | 33.74 | 107 | 85 | 45 | 0 | 0 | 1 | 0 |
| | WILLIAMSPORT | 66 | 44 | 76 | 33 | 55 | 6 | 1.11 | 0.43 | 0.83 | 4.49 | 66 | 40.72 | 117 | 91 | 54 | 0 | 0 | 3 | 1 |
| | PROVIDENCE | 70 | 51 | 78 | 42 | 60 | 9 | 2.50 | 1.63 | 1.44 | 6.95 | 101 | 41.15 | 110 | 98 | 69 | 0 | 0 | 3 | 2 |
| SC | BEAUFORT | 75 | 56 | 80 | 45 | 65 | 0 | 0.68 | 0.05 | 0.41 | 11.07 | 138 | 44.82 | 102 | 96 | 52 | 0 | 0 | 2 | 0 |
| | CHARLESTON | 75 | 55 | 82 | 44 | 65 | 1 | 1.89 | 1.31 | 1.37 | 10.32 | 116 | 48.76 | 107 | 95 | 53 | 0 | 0 | 3 | 1 |
| | COLUMBIA | 76 | 49 | 83 | 41 | 63 | 2 | 0.56 | -0.07 | 0.35 | 6.12 | 94 | 42.87 | 103 | 95 | 46 | 0 | 0 | 2 | 0 |
| SD | GREENVILLE | 69 | 45 | 78 | 36 | 57 | -1 | 4.28 | 3.43 | 2.90 | 11.40 | 153 | 49.37 | 117 | 98 | 52 | 0 | 0 | 2 | 2 |
| | ABERDEEN | 56 | 27 | 68 | 5 | 41 | -2 | 0.01 | -0.33 | 0.01 | 2.58 | 78 | 15.14 | 80 | 79 | 45 | 0 | 5 | 1 | 0 |
| | HURON | 57 | 30 | 66 | 11 | 43 | -1 | 0.00 | -0.32 | 0.00 | 7.71 | 239 | 21.62 | 111 | 78 | 37 | 0 | 3 | 0 | 0 |
| TN | RAPID CITY | 63 | 29 | 76 | 18 | 46 | 1 | 0.00 | -0.30 | 0.00 | 1.72 | 75 | 11.54 | 75 | 57 | 23 | 0 | 5 | 0 | 0 |
| | SIOUX FALLS | 56 | 33 | 68 | 13 | 44 | -1 | 0.00 | -0.41 | 0.00 | 6.84 | 159 | 25.51 | 113 | 73 | 48 | 0 | 2 | 0 | 0 |
| | BRISTOL | 65 | 39 | 78 | 31 | 52 | 0 | 2.47 | 2.00 | 1.58 | 5.54 | 108 | 41.76 | 121 | 100 | 48 | 0 | 1 | 2 | 2 |
| TX | CHATTANOOGA | 69 | 45 | 79 | 38 | 57 | -1 | 2.09 | 1.39 | 1.20 | 9.74 | 136 | 53.48 | 120 | 91 | 54 | 0 | 0 | 2 | 2 |
| | KNOXVILLE | 68 | 43 | 80 | 38 | 56 | 0 | 2.60 | 2.03 | 1.56 | 7.26 | 135 | 45.38 | 115 | 100 | 54 | 0 | 0 | 3 | 2 |
| | MEMPHIS | 67 | 46 | 79 | 35 | 57 | -4 | 1.48 | 0.70 | 1.17 | 5.64 | 92 | 42.29 | 99 | 81 | 44 | 0 | 0 | 3 | 1 |
| UT | NASHVILLE | 67 | 45 | 81 | 37 | 56 | -1 | 2.81 | 2.18 | 1.33 | 7.06 | 116 | 43.90 | 113 | 89 | 46 | 0 | 0 | 5 | 2 |
| | ABILENE | 72 | 41 | 87 | 29 | 56 | -7 | 0.00 | -0.60 | 0.00 | 4.48 | 80 | 18.91 | 90 | 68 | 34 | 0 | 2 | 0 | 0 |
| | AMARILLO | 66 | 36 | 79 | 28 | 51 | -4 | 0.00 | -0.31 | 0.00 | 5.60 | 176 | 26.48 | 145 | 65 | 21 | 0 | 2 | 0 | 0 |
| | AUSTIN | 75 | 44 | 83 | 36 | 60 | -8 | 0.70 | -0.18 | 0.70 | 5.47 | 85 | 36.72 | 131 | 64 | 32 | 0 | 0 | 1 | 1 |
| | BEAUMONT | 76 | 49 | 83 | 42 | 63 | -5 | 0.94 | -0.02 | 0.55 | 6.28 | 61 | 95.26 | 193 | 88 | 49 | 0 | 0 | 2 | 1 |
| | BROWNSVILLE | 84 | 61 | 94 | 50 | 73 | 0 | 0.01 | -0.68 | 0.01 | 7.65 | 85 | 20.69 | 84 | 83 | 41 | 1 | 0 | 1 | 0 |
| | CORPUS CHRISTI | 82 | 52 | 90 | 42 | 67 | -5 | 0.00 | -0.74 | 0.00 | 3.90 | 44 | 26.25 | 92 | 80 | 33 | 1 | 0 | 0 | 0 |
| | DEL RIO | 77 | 48 | 85 | 34 | 63 | -6 | 0.00 | -0.39 | 0.00 | 6.76 | 172 | 22.65 | 138 | 74 | 35 | 0 | 0 | 0 | 0 |
| | EL PASO | 77 | 48 | 86 | 43 | 63 | 1 | 0.00 | -0.11 | 0.00 | 1.19 | 50 | 9.11 | 111 | 43 | 18 | 0 | 0 | 0 | 0 |
| | FORT WORTH | 76 | 46 | 86 | 34 | 61 | -4 | 1.30 | 0.39 | 1.30 | 2.56 | 42 | 31.19 | 107 | 66 | 21 | 0 | 0 | 1 | 1 |
| VA | GALVESTON | 77 | 59 | 83 | 50 | 68 | -4 | 0.57 | -0.10 | 0.41 | 2.06 | 23 | 52.51 | 144 | 78 | 35 | 0 | 0 | 2 | 0 |
| | HOUSTON | 75 | 51 | 83 | 41 | 63 | -5 | 0.98 | -0.04 | 0.98 | 4.40 | 53 | 75.22 | 191 | 84 | 40 | 0 | 0 | 1 | 1 |
| | LUBBOCK | 71 | 38 | 84 | 28 | 54 | -4 | 0.00 | -0.30 | 0.00 | 3.89 | 93 | 21.85 | 127 | 67 | 31 | 0 | 1 | 0 | 0 |
| | MIDLAND | 74 | 44 | 89 | 35 | 59 | -3 | 0.00 | -0.31 | 0.00 | 4.16 | 104 | 16.93 | 126 | 55 | 26 | 0 | 0 | 0 | 0 |
| | SAN ANGELO | 76 | 41 | 89 | 30 | 59 | -4 | 0.00 | -0.49 | 0.00 | 4.27 | 80 | 16.37 | 88 | 61 | 26 | 0 | 1 | 0 | 0 |
| | SAN ANTONIO | 77 | 48 | 84 | 36 | 63 | -5 | 0.08 | -0.79 | 0.08 | 3.07 | 48 | 22.56 | 81 | 70 | 22 | 0 | 0 | 1 | 0 |
| | VICTORIA | 78 | 46 | 84 | 36 | 62 | -8 | 0.02 | -0.81 | 0.02 | 3.22 | 36 | 44.25 | 127 | 87 | 40 | 0 | 0 | 1 | 0 |
| | WACO | 76 | 42 | 84 | 30 | 59 | -7 | 1.02 | 0.25 | 1.02 | 1.65 | 26 | 30.34 | 110 | 76 | 29 | 0 | 1 | 1 | 1 |
| | WICHITA FALLS | 71 | 42 | 86 | 31 | 56 | -6 | 0.00 | -0.64 | 0.00 | 4.44 | 73 | 24.52 | 97 | 65 | 32 | 0 | 1 | 0 | 0 |
| | SALT LAKE CITY | 66 | 42 | 70 | 39 | 54 | 4 | 0.00 | -0.33 | 0.00 | 2.22 | 82 | 14.05 | 103 | 68 | 31 | 0 | 0 | 0 | 0 |
| WV | BURLINGTON | 68 | 52 | 78 | 45 | 60 | 15 | 1.40 | 0.73 | 1.11 | 5.68 | 86 | 35.38 | 116 | 78 | 48 | 0 | 0 | 2 | 1 |
| | LYNCHBURG | 67 | 43 | 76 | 33 | 55 | 1 | 0.74 | 0.04 | 0.72 | 4.33 | 62 | 31.04 | 85 | 91 | 50 | 0 | 0 | 2 | 1 |
| | NORFOLK | 74 | 52 | 82 | 42 | 63 | 4 | 0.08 | -0.66 | 0.06 | 4.96 | 69 | 43.50 | 110 | 93 | 49 | 0 | 0 | 2 | 0 |
| WA | RICHMOND | 71 | 47 | 78 | 37 | 59 | 3 | 0.47 | -0.29 | 0.35 | 4.59 | 63 | 33.65 | 90 | 94 | 49 | 0 | 0 | 2 | 0 |
| | ROANOKE | 66 | 45 | 74 | 35 | 55 | 1 | 1.53 | 0.87 | 1.35 | 6.22 | 93 | 36.12 | 100 | 90 | 51 | 0 | 0 | 2 | 1 |
| | WASH/DULLES | 69 | 45 | 75 | 33 | 57 | 5 | 0.53 | -0.21 | 0.48 | 3.76 | 55 | 36.75 | 105 | 90 | 51 | 0 | 0 | 2 | 0 |
| WY | OLYMPIA | 64 | 39 | 72 | 34 | 51 | 3 | 0.39 | -0.76 | 0.39 | 7.87 | 148 | 42.32 | 125 | 99 | 91 | 0 | 0 | 1 | 0 |
| | QUILLAYUTE | 65 | 41 | 72 | 35 | 53 | 4 | 0.36 | -2.23 | 0.31 | 11.05 | 90 | 78.65 | 111 | 95 | 77 | 0 | 0 | 2 | 0 |
| | SEATTLE-TACOMA | 63 | 47 | 68 | 44 | 55 | 4 | 0.14 | -0.71 | 0.13 | 5.38 | 130 | 33.78 | 136 | 90 | 74 | 0 | 0 | 2 | 0 |
| WV | SPOKANE | 56 | 37 | 58 | 35 | 46 | 2 | 0.23 | -0.04 | 0.23 | 2.61 | 168 | 16.58 | 139 | 98 | 60 | 0 | 0 | 1 | 0 |
| | YAKIMA | 66 | 38 | 68 | 32 | 52 | 6 | 0.47 | 0.34 | 0.47 | 0.96 | 125 | 8.70 | 153 | 88 | 57 | 0 | 1 | 1 | 0 |
| | BECKLEY | 59 | 40 | 72 | 31 | 50 | 0 | 2.65 | 2.10 | 1.58 | 6.26 | 111 | 39.60 | 112 | 83 | 65 | 0 | 2 | 3 | 2 |
| WI | CHARLESTON | 65 | 41 | 81 | 35 | 53 | 1 | 3.03 | 2.44 | 1.85 | 7.09 | 123 | 43.53 | 119 | 94 | 48 | 0 | 0 | 4 | 2 |
| | ELKINS | 63 | 36 | 78 | 27 | 50 | 2 | 2.76 | 2.15 | 2.08 | 5.74 | 90 | 40.18 | 103 | 89 | 55 | 0 | 3 | 3 | 2 |
| | HUNTINGTON | 63 | 41 | 77 | 30 | 52 | -1 | 1.57 | 0.95 | 1.12 | 7.54 | 146 | 42.75 | 121 | 90 | 54 | 0 | 1 | 4 | 1 |
| WY | EAU CLAIRE | 50 | 37 | 60 | 30 | 43 | -1 | 0.28 | -0.19 | 0.25 | 5.66 | 98 | 33.76 | 117 | 87 | 50 | 0 | 2 | 2 | 0 |
| | GREEN BAY | 53 | 38 | 67 | 32 | 46 | 1 | 0.39 | -0.08 | | | | | | | | | | | |

National Agricultural Summary

October 23 – 29, 2017

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Precipitation was scarce west of the Mississippi River over the past week, with all states recording less than an inch of precipitation. Corn and soybean harvests moved along rapidly, as producers across the Midwest tried to get ahead of oncoming snows and wintry winds. The eastern part of the nation, especially in Appalachia, New

England, and Michigan, experienced pockets of snow and rain. Temperatures remained above normal in New England, but cooler, more seasonable temperatures returned to the Plains States. Unusually low temperatures were recorded from eastern Texas, through Louisiana and Mississippi, and into the Ozarks.

Corn: Fifty-four percent of this year's corn was harvested by week's end, still well behind the previous year's 73 percent and 5-year average of 72 percent. Harvest progress was behind normal in all estimating states except Michigan, North Carolina, Tennessee, and Texas. Overall, 66 percent of the corn was reported in good to excellent condition, unchanged from last week but 8 percentage points below the same time last year.

Soybeans: By October 29, soybean producers had harvested 83 percent of the nation's crop, 2 percentage points behind last year and slightly behind the 5-year average. Trying to beat frigid weather, producers took advantage of the dry weather in Iowa and Nebraska to make strides in harvesting soybeans; however, both states were behind their 5-year averages by 8 and 4 percentage points, respectively. As of October 29, North Carolina had the lowest percentage of its crop harvested at 41 percent, which was 16 points ahead of its 5-year average. Louisiana was the first state to finish its soybean harvest.

Winter Wheat: Producers had sown 84 percent of the 2018 winter wheat crop by week's end, slightly behind last year and 3 percentage points behind the 5-year average. Idaho was the first state to complete wheat planting. Nationwide, emergence advanced to 65 percent complete by October 29, four percentage points behind last year and 3 points behind the 5-year average. Fifty-two percent of the winter wheat crop was reported to be in good or excellent condition, 6 percentage points below last year.

Cotton: Ninety-three percent of the cotton was at or

beyond the boll-opening stage by October 29, two percentage points behind both last year and the 5-year average. Nationally, producers had harvested 46 percent of the cotton by week's end, slightly ahead of both last year and the 5-year average. Overall, 55 percent of the cotton was reported in good to excellent condition, down slightly from last week but 6 percentage points above the same time last year.

Sorghum: By week's end, 96 percent of this year's sorghum was considered mature, equal to last year but slightly ahead of the 5-year average. Nationwide, sorghum producers had harvested 59 percent of the crop by October 29, sixteen percentage points behind last year and 10 points behind the 5-year average. Most estimating states were at or behind their respective 5-year averages for harvesting, with only Missouri, New Mexico, and Texas ahead of schedule.

Other Crops: By October 29, seventy-four percent of the nation's peanuts had been dug and combined, 2 percentage points behind last year but slightly ahead of the 5-year average.

Producers had harvested 87 percent of the sugarbeet crop by week's end, 2 percentage points ahead of last year and slightly ahead of the 5-year average.

By week's end, 53 percent of this year's sunflower crop was harvested, 7 percentage points behind last year and slightly behind the 5-year average. Harvest progress remained behind the 5-year average for all estimating states except North Dakota.

Crop Progress and Condition**Week Ending October 29, 2017**

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

| Corn Percent Harvested | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| CO | 66 | 18 | 31 | 61 |
| IL | 90 | 62 | 73 | 84 |
| IN | 74 | 46 | 59 | 71 |
| IA | 68 | 23 | 44 | 70 |
| KS | 92 | 65 | 78 | 89 |
| KY | 97 | 81 | 87 | 90 |
| MI | 38 | 34 | 44 | 43 |
| MN | 72 | 14 | 38 | 73 |
| MO | 91 | 69 | 80 | 87 |
| NE | 66 | 26 | 45 | 67 |
| NC | 98 | 95 | 97 | 96 |
| ND | 50 | 17 | 37 | 58 |
| OH | 63 | 35 | 48 | 61 |
| PA | 64 | 41 | 51 | 59 |
| SD | 60 | 19 | 35 | 66 |
| TN | 99 | 95 | 97 | 95 |
| TX | 89 | 83 | 88 | 88 |
| WI | 50 | 15 | 25 | 50 |
| 18 Sts | 73 | 38 | 54 | 72 |
| These 18 States harvested 94% of last year's corn acreage. | | | | |

| Corn Condition by Percent | | | | | |
|---------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| CO | 1 | 5 | 15 | 61 | 18 |
| IL | 4 | 7 | 26 | 48 | 15 |
| IN | 5 | 10 | 26 | 46 | 13 |
| IA | 3 | 7 | 24 | 52 | 14 |
| KS | 3 | 13 | 24 | 49 | 11 |
| KY | 2 | 3 | 11 | 65 | 19 |
| MI | 3 | 12 | 29 | 42 | 14 |
| MN | 1 | 3 | 14 | 65 | 17 |
| MO | 2 | 6 | 27 | 49 | 16 |
| NE | 3 | 9 | 24 | 43 | 21 |
| NC | 1 | 3 | 19 | 46 | 31 |
| ND | 5 | 9 | 27 | 52 | 7 |
| OH | 2 | 6 | 25 | 52 | 15 |
| PA | 0 | 1 | 11 | 45 | 43 |
| SD | 8 | 14 | 35 | 38 | 5 |
| TN | 1 | 2 | 10 | 44 | 43 |
| TX | 0 | 3 | 18 | 57 | 22 |
| WI | 2 | 8 | 18 | 47 | 25 |
| 18 Sts | 3 | 8 | 23 | 50 | 16 |
| Prev Wk | 3 | 8 | 23 | 50 | 16 |
| Prev Yr | 2 | 5 | 19 | 54 | 20 |

| Soybeans Percent Harvested | | | | |
|--|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AR | 91 | 82 | 89 | 82 |
| IL | 87 | 77 | 86 | 86 |
| IN | 81 | 69 | 80 | 80 |
| IA | 87 | 61 | 83 | 91 |
| KS | 72 | 56 | 73 | 73 |
| KY | 72 | 45 | 55 | 61 |
| LA | 99 | 98 | 100 | 97 |
| MI | 64 | 74 | 78 | 73 |
| MN | 97 | 83 | 95 | 97 |
| MS | 94 | 88 | 94 | 93 |
| MO | 71 | 45 | 63 | 64 |
| NE | 89 | 67 | 89 | 93 |
| NC | 36 | 34 | 41 | 25 |
| ND | 97 | 89 | 96 | 94 |
| OH | 87 | 76 | 85 | 81 |
| SD | 94 | 81 | 96 | 95 |
| TN | 84 | 49 | 63 | 64 |
| WI | 84 | 64 | 80 | 83 |
| 18 Sts | 85 | 70 | 83 | 84 |
| These 18 States harvested 95% of last year's soybean acreage. | | | | |

| Cotton Percent Bolls Opening | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AL | 100 | 89 | 93 | 97 |
| AZ | 100 | 100 | 100 | 100 |
| AR | 100 | 100 | 100 | 100 |
| CA | 100 | 83 | 85 | 99 |
| GA | 98 | 97 | 98 | 96 |
| KS | 90 | 87 | 93 | 89 |
| LA | 100 | 100 | 100 | 100 |
| MS | 100 | 97 | 100 | 100 |
| MO | 100 | 100 | 100 | 96 |
| NC | 99 | 94 | 97 | 97 |
| OK | 94 | 94 | 97 | 95 |
| SC | 96 | 99 | 99 | 95 |
| TN | 100 | 100 | 100 | 97 |
| TX | 93 | 80 | 90 | 93 |
| VA | 99 | 100 | 100 | 99 |
| 15 Sts | 95 | 87 | 93 | 95 |
| These 15 States planted 98% of last year's cotton acreage. | | | | |

| Cotton Percent Harvested | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AL | 67 | 45 | 53 | 53 |
| AZ | 43 | 28 | 39 | 36 |
| AR | 94 | 71 | 82 | 80 |
| CA | 46 | 25 | 30 | 61 |
| GA | 59 | 37 | 46 | 43 |
| KS | 12 | 9 | 12 | 16 |
| LA | 98 | 83 | 94 | 95 |
| MS | 89 | 59 | 77 | 82 |
| MO | 83 | 63 | 81 | 61 |
| NC | 35 | 31 | 53 | 34 |
| OK | 35 | 22 | 32 | 31 |
| SC | 28 | 42 | 54 | 35 |
| TN | 72 | 56 | 65 | 52 |
| TX | 30 | 31 | 37 | 35 |
| VA | 38 | 43 | 66 | 37 |
| 15 Sts | 45 | 37 | 46 | 45 |
| These 15 States harvested 98% of last year's cotton acreage. | | | | |

| Cotton Condition by Percent | | | | | |
|-----------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AL | 0 | 8 | 37 | 45 | 10 |
| AZ | 1 | 3 | 19 | 53 | 24 |
| AR | 1 | 3 | 11 | 46 | 39 |
| CA | 0 | 0 | 0 | 10 | 90 |
| GA | 6 | 18 | 28 | 41 | 7 |
| KS | 2 | 8 | 29 | 53 | 8 |
| LA | 1 | 28 | 45 | 26 | 0 |
| MS | 0 | 6 | 30 | 45 | 19 |
| MO | 1 | 9 | 31 | 47 | 12 |
| NC | 1 | 4 | 12 | 51 | 32 |
| OK | 0 | 0 | 4 | 95 | 1 |
| SC | 0 | 0 | 6 | 52 | 42 |
| TN | 0 | 2 | 9 | 66 | 23 |
| TX | 7 | 11 | 36 | 35 | 11 |
| VA | 0 | 0 | 10 | 84 | 6 |
| 15 Sts | 5 | 10 | 30 | 41 | 14 |
| Prev Wk | 5 | 9 | 30 | 42 | 14 |
| Prev Yr | 4 | 13 | 34 | 40 | 9 |

Crop Progress and Condition

Week Ending October 29, 2017

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

| Sorghum Percent Mature | | | | |
|--|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AR | 100 | 100 | 100 | 100 |
| CO | 98 | 85 | 97 | 96 |
| IL | 95 | 91 | 95 | 97 |
| KS | 98 | 87 | 95 | 95 |
| LA | 100 | 100 | 100 | 100 |
| MO | 100 | 94 | 98 | 99 |
| NE | 100 | 96 | 98 | 99 |
| NM | 69 | 77 | 96 | 68 |
| OK | 98 | 93 | 95 | 97 |
| SD | 100 | 76 | 99 | 97 |
| TX | 94 | 92 | 97 | 94 |
| 11 Sts | 96 | 89 | 96 | 95 |
| These 11 States planted 99% of last year's sorghum acreage. | | | | |

| Sorghum Percent Harvested | | | | |
|--|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AR | 100 | 100 | 100 | 100 |
| CO | 78 | 13 | 25 | 49 |
| IL | 72 | 69 | 74 | 79 |
| KS | 69 | 24 | 44 | 60 |
| LA | 100 | 100 | 100 | 100 |
| MO | 84 | 61 | 76 | 74 |
| NE | 79 | 34 | 47 | 71 |
| NM | 7 | 13 | 18 | 13 |
| OK | 68 | 54 | 59 | 71 |
| SD | 89 | 21 | 58 | 78 |
| TX | 80 | 80 | 82 | 78 |
| 11 Sts | 75 | 47 | 59 | 69 |
| These 11 States harvested 99% of last year's sorghum acreage. | | | | |

| Peanuts Percent Harvested | | | | |
|--|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AL | 90 | 67 | 71 | 77 |
| FL | 93 | 83 | 92 | 89 |
| GA | 79 | 67 | 79 | 74 |
| NC | 57 | 59 | 72 | 68 |
| OK | 58 | 46 | 54 | 59 |
| SC | 53 | 57 | 71 | 69 |
| TX | 55 | 30 | 45 | 60 |
| VA | 70 | 80 | 89 | 70 |
| 8 Sts | 76 | 63 | 74 | 73 |
| These 8 States harvested 96% of last year's peanut acreage. | | | | |

| Winter Wheat Percent Planted | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AR | 55 | 41 | 66 | 55 |
| CA | 33 | 20 | 30 | 34 |
| CO | 98 | 94 | 97 | 99 |
| ID | 90 | 96 | 100 | 96 |
| IL | 83 | 70 | 76 | 79 |
| IN | 81 | 67 | 81 | 83 |
| KS | 91 | 67 | 84 | 93 |
| MI | 86 | 88 | 92 | 89 |
| MO | 61 | 43 | 55 | 61 |
| MT | 91 | 92 | 95 | 94 |
| NE | 100 | 94 | 98 | 99 |
| NC | 30 | 24 | 39 | 27 |
| OH | 92 | 82 | 91 | 88 |
| OK | 87 | 72 | 83 | 91 |
| OR | 87 | 82 | 89 | 89 |
| SD | 100 | 96 | 98 | 98 |
| TX | 74 | 70 | 79 | 77 |
| WA | 91 | 90 | 91 | 95 |
| 18 Sts | 85 | 75 | 84 | 87 |
| These 18 States planted 90% of last year's winter wheat acreage. | | | | |

| Winter Wheat Percent Emerged | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
| AR | 38 | 23 | 41 | 33 |
| CA | 11 | 1 | 5 | 11 |
| CO | 91 | 65 | 82 | 89 |
| ID | 79 | 58 | 82 | 73 |
| IL | 59 | 38 | 54 | 51 |
| IN | 59 | 39 | 55 | 57 |
| KS | 73 | 41 | 57 | 75 |
| MI | 65 | 69 | 78 | 68 |
| MO | 38 | 25 | 35 | 37 |
| MT | 81 | 66 | 79 | 78 |
| NE | 95 | 77 | 88 | 91 |
| NC | 12 | 7 | 21 | 11 |
| OH | 61 | 52 | 70 | 61 |
| OK | 74 | 55 | 70 | 75 |
| OR | 52 | 50 | 57 | 48 |
| SD | 88 | 80 | 91 | 71 |
| TX | 54 | 53 | 60 | 58 |
| WA | 73 | 72 | 73 | 76 |
| 18 Sts | 69 | 52 | 65 | 68 |
| These 18 States planted 90% of last year's winter wheat acreage. | | | | |

| Winter Wheat Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 4 | 10 | 44 | 33 | 9 |
| CA | 0 | 0 | 5 | 20 | 75 |
| CO | 1 | 3 | 31 | 47 | 18 |
| ID | 1 | 3 | 36 | 34 | 26 |
| IL | 6 | 8 | 27 | 46 | 13 |
| IN | 1 | 3 | 25 | 55 | 16 |
| KS | 4 | 8 | 33 | 48 | 7 |
| MI | 2 | 6 | 13 | 62 | 17 |
| MO | 0 | 6 | 29 | 56 | 9 |
| MT | 3 | 9 | 66 | 21 | 1 |
| NE | 3 | 9 | 33 | 45 | 10 |
| NC | 0 | 2 | 22 | 65 | 11 |
| OH | 0 | 1 | 9 | 63 | 27 |
| OK | 2 | 5 | 46 | 41 | 6 |
| OR | 2 | 6 | 15 | 56 | 21 |
| SD | 36 | 17 | 30 | 16 | 1 |
| TX | 3 | 13 | 41 | 36 | 7 |
| WA | 0 | 1 | 14 | 80 | 5 |
| 18 Sts | 4 | 8 | 36 | 43 | 9 |
| Prev Wk | NA | NA | NA | NA | NA |
| Prev Yr | 2 | 7 | 33 | 48 | 10 |

Crop Progress and Condition

Week Ending October 29, 2017

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

| Pasture and Range Condition by Percent | | | | | | | | | | | | |
|--|----|----|----|----|----|--|---------|----|----|----|-----|----|
| Week Ending Oct 29, 2017 | | | | | | | | | | | | |
| | VP | P | F | G | EX | | VP | P | F | G | EX | |
| AL | 0 | 5 | 21 | 65 | 9 | | NH | 0 | 17 | 45 | 33 | 5 |
| AZ | 1 | 16 | 45 | 35 | 3 | | NJ | 0 | 5 | 24 | 66 | 5 |
| AR | 15 | 30 | 35 | 19 | 1 | | NM | 1 | 13 | 41 | 38 | 7 |
| CA | 15 | 35 | 25 | 25 | 0 | | NY | 6 | 7 | 21 | 36 | 30 |
| CO | 2 | 14 | 26 | 45 | 13 | | NC | 2 | 5 | 34 | 52 | 7 |
| CT | 0 | 50 | 50 | 0 | 0 | | ND | 24 | 34 | 30 | 12 | 0 |
| DE | 2 | 14 | 44 | 36 | 4 | | OH | 5 | 16 | 27 | 48 | 4 |
| FL | 2 | 9 | 33 | 50 | 6 | | OK | 3 | 7 | 44 | 38 | 8 |
| GA | 2 | 11 | 35 | 48 | 4 | | OR | 28 | 18 | 20 | 22 | 12 |
| ID | 2 | 8 | 34 | 49 | 7 | | PA | 2 | 12 | 42 | 40 | 4 |
| IL | 9 | 17 | 46 | 26 | 2 | | RI | 0 | 0 | 0 | 100 | 0 |
| IN | 5 | 21 | 36 | 34 | 4 | | SC | 0 | 11 | 38 | 48 | 3 |
| IA | 12 | 18 | 35 | 31 | 4 | | SD | 25 | 25 | 27 | 23 | 0 |
| KS | 4 | 15 | 37 | 41 | 3 | | TN | 4 | 12 | 31 | 45 | 8 |
| KY | 3 | 7 | 24 | 59 | 7 | | TX | 7 | 18 | 40 | 30 | 5 |
| LA | 2 | 19 | 45 | 30 | 4 | | UT | 5 | 16 | 48 | 25 | 6 |
| ME | 0 | 25 | 30 | 45 | 0 | | VT | 0 | 16 | 83 | 1 | 0 |
| MD | 2 | 8 | 56 | 30 | 4 | | VA | 9 | 28 | 36 | 25 | 2 |
| MA | 0 | 10 | 20 | 70 | 0 | | WA | 20 | 27 | 34 | 18 | 1 |
| MI | 6 | 21 | 32 | 36 | 5 | | WV | 1 | 14 | 48 | 29 | 8 |
| MN | 5 | 15 | 33 | 44 | 3 | | WI | 5 | 10 | 28 | 42 | 15 |
| MS | 3 | 13 | 29 | 48 | 7 | | WY | 8 | 18 | 40 | 32 | 2 |
| MO | 5 | 9 | 43 | 39 | 4 | | 48 Sts | 9 | 16 | 35 | 35 | 5 |
| MT | 40 | 27 | 22 | 10 | 1 | | | | | | | |
| NE | 3 | 11 | 43 | 38 | 5 | | Prev Wk | 8 | 16 | 34 | 37 | 5 |
| NV | 0 | 10 | 40 | 40 | 10 | | Prev Yr | 8 | 15 | 33 | 39 | 5 |

Sunflowers Percent Harvested

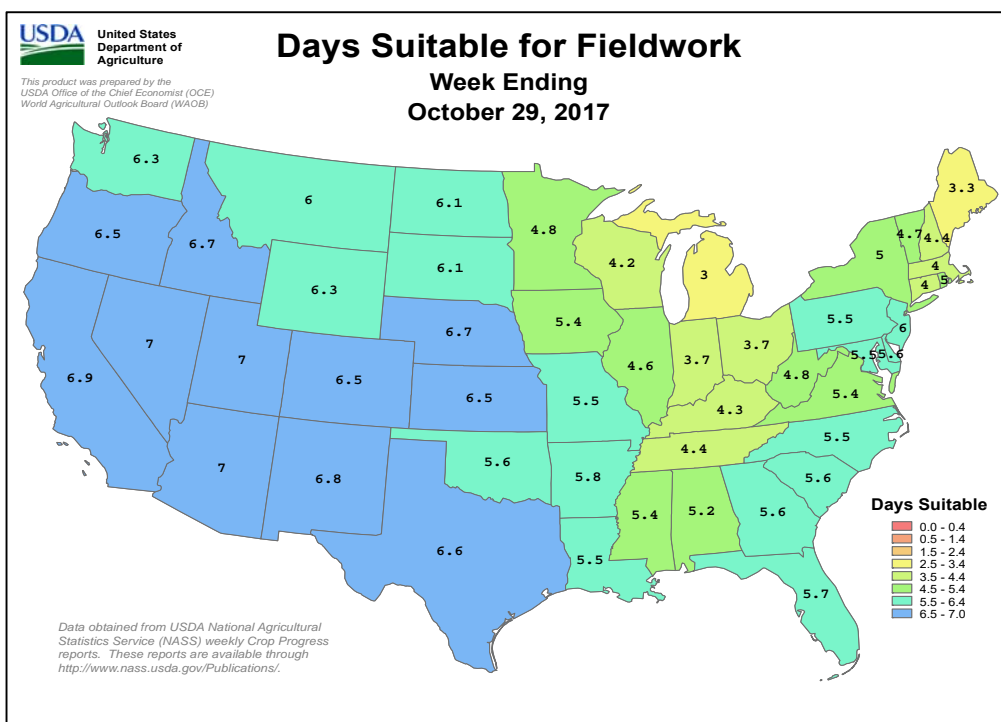
| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
|---|--------------|--------------|----------------|-------------|
| CO | 61 | 13 | 30 | 57 |
| KS | 48 | 17 | 42 | 48 |
| ND | 51 | 32 | 57 | 51 |
| SD | 71 | 32 | 51 | 59 |
| 4 Sts | 60 | 30 | 53 | 54 |
| These 4 States harvested 87% of last year's sunflower acreage. | | | | |

Sugarbeets Percent Harvested

| | Prev Year | Prev Week | Oct 29 2017 | 5-Yr Avg |
|---|--------------|--------------|----------------|-------------|
| ID | 75 | 51 | 79 | 76 |
| MI | 48 | 37 | 47 | 53 |
| MN | 94 | 85 | 98 | 95 |
| ND | 99 | 95 | 98 | 97 |
| 4 Sts | 85 | 74 | 87 | 86 |
| These 4 States harvested 83% of last year's sugarbeet acreage. | | | | |

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

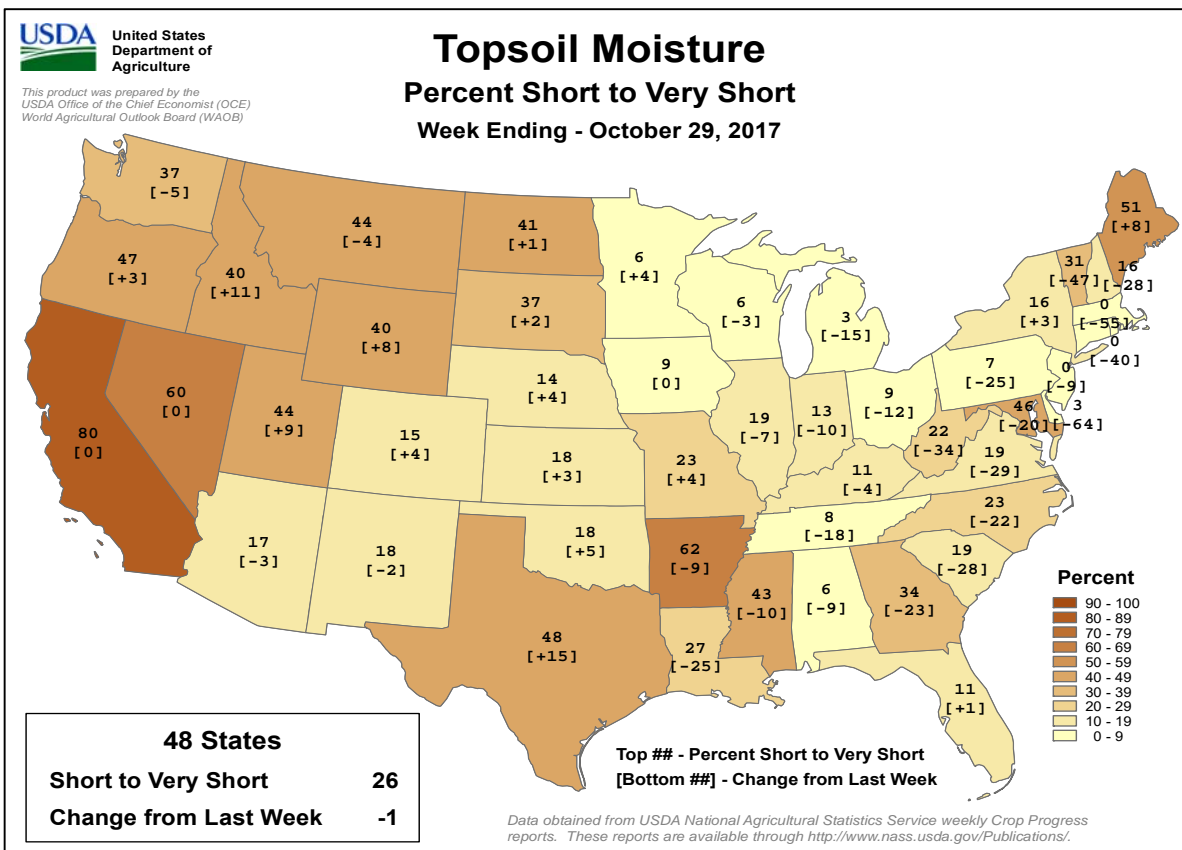
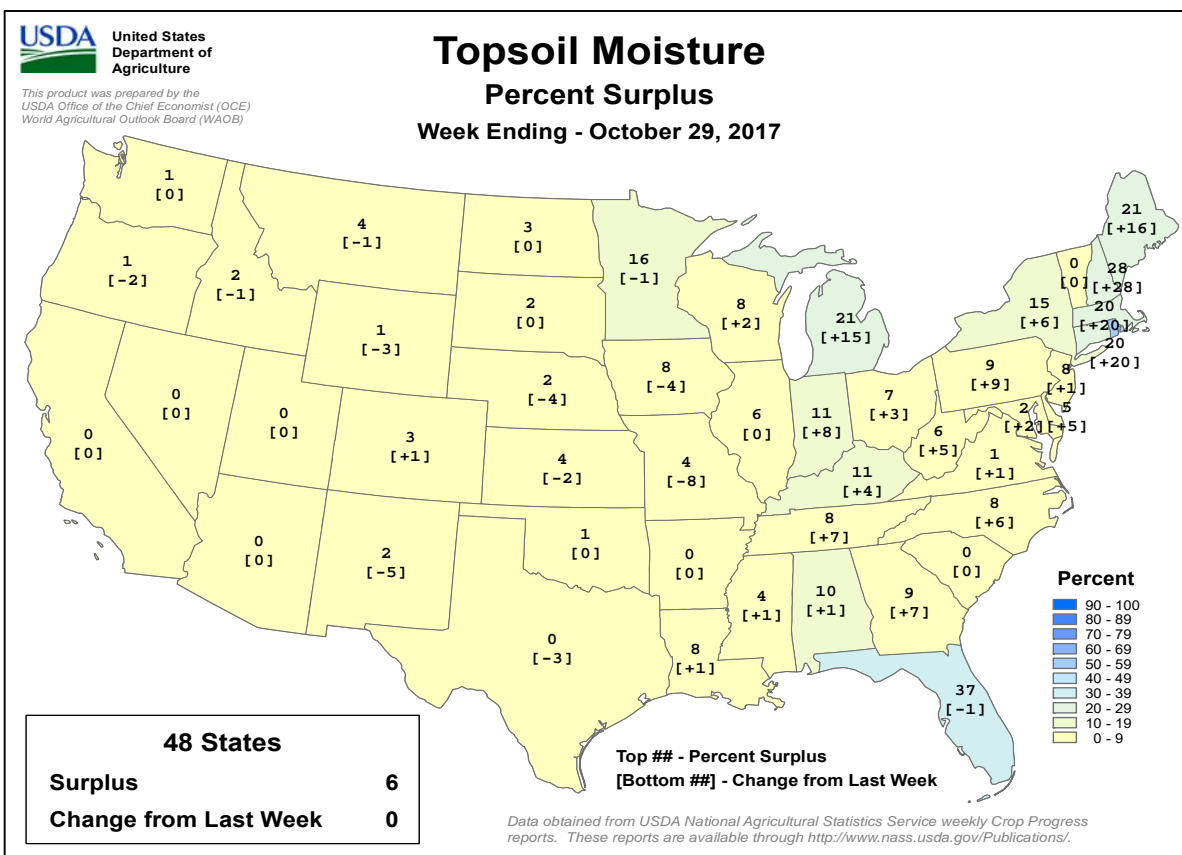
NA - Not Available
* Revised



Crop Progress and Condition

Week Ending October 29, 2017

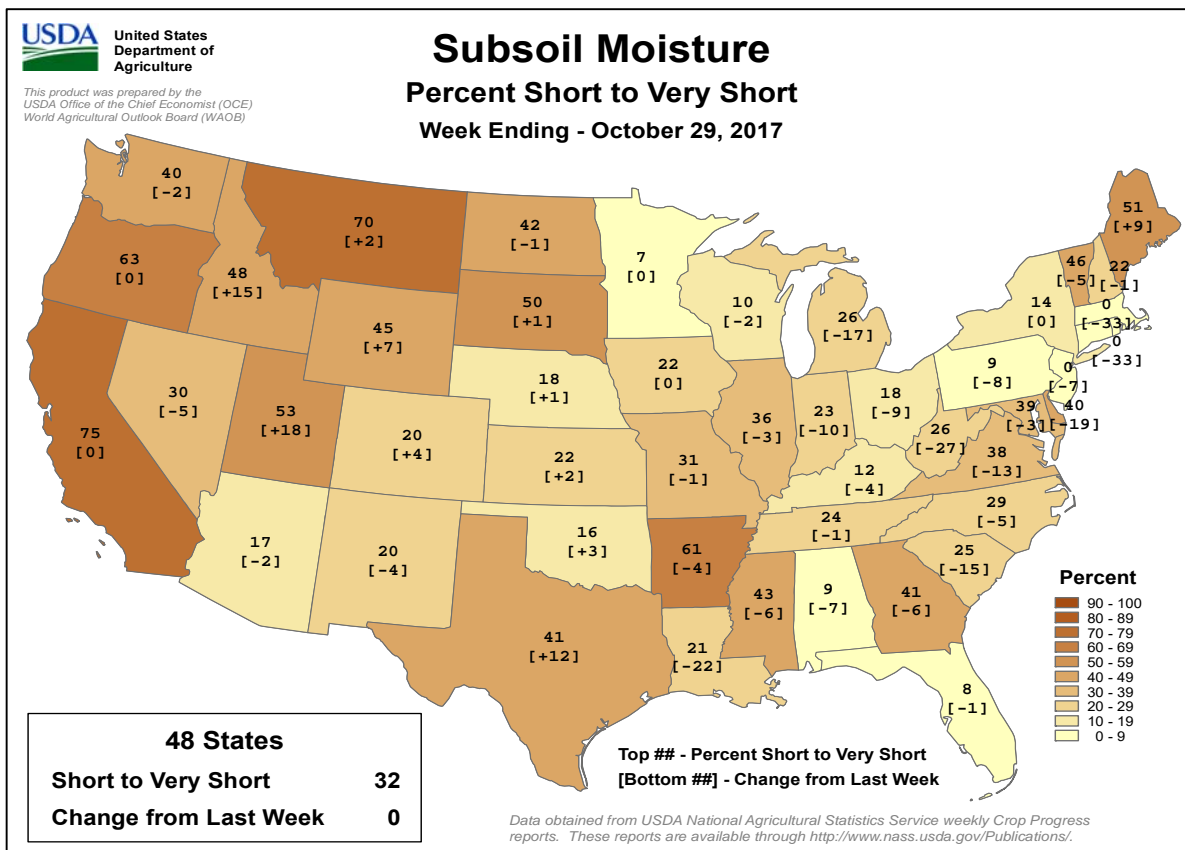
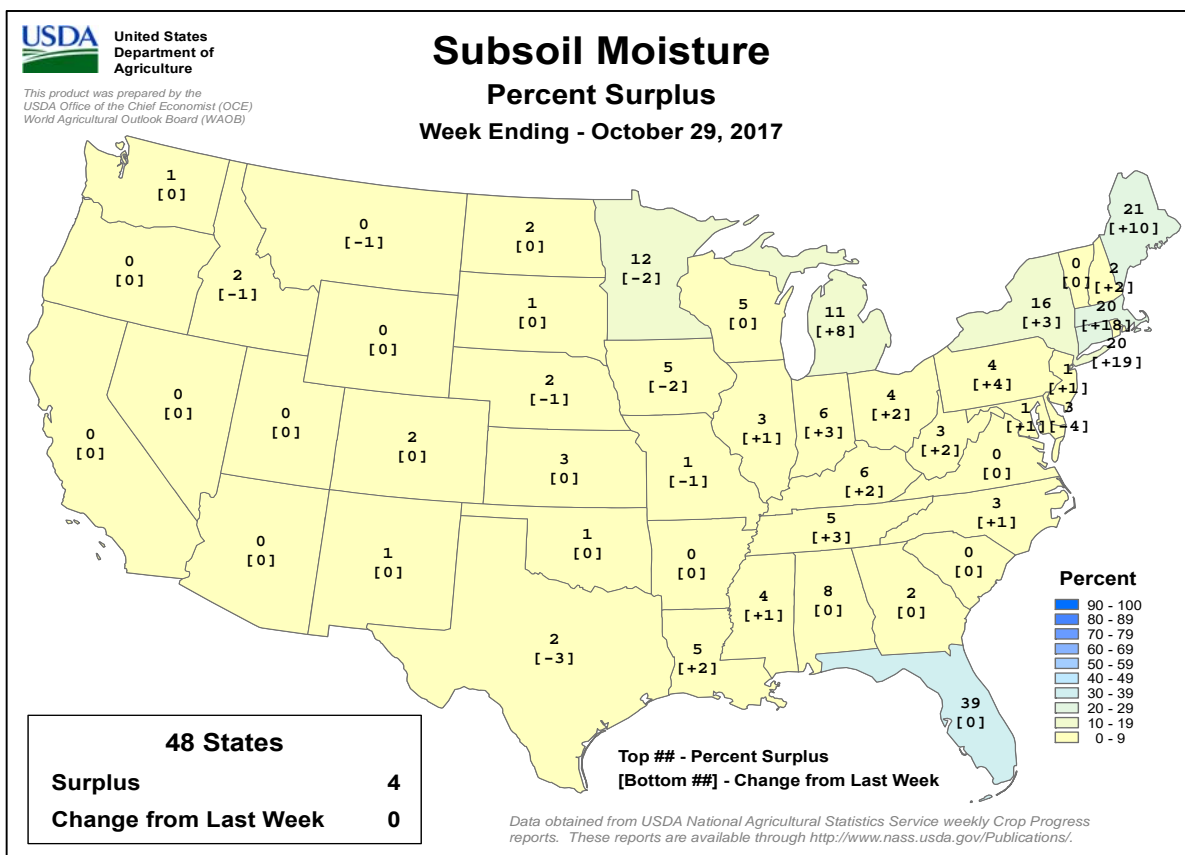
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending October 29, 2017

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



International Weather and Crop Summary

October 22-28, 2017

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

HIGHLIGHTS

EUROPE: A return to dry weather renewed drought concerns on the Iberian Peninsula, while heavy rain saturated fields and caused local flooding in eastern Europe.

WESTERN FSU: Additional showers further improved soil moisture for wheat establishment in Ukraine and Russia.

MIDDLE EAST: In Turkey, beneficial rain in the west contrasted with autumn drought in central and eastern winter grain areas.

SOUTH ASIA: The monsoon completely withdrew from India, bringing seasonably drier weather which benefitted summer (kharif) crop maturation and harvesting.

EAST ASIA: Dry, mild conditions aided seasonal fieldwork in eastern China.

SOUTHEAST ASIA: Drier weather favored ripening rice in northern portions of the region, while rainfall was increasing in southern areas.

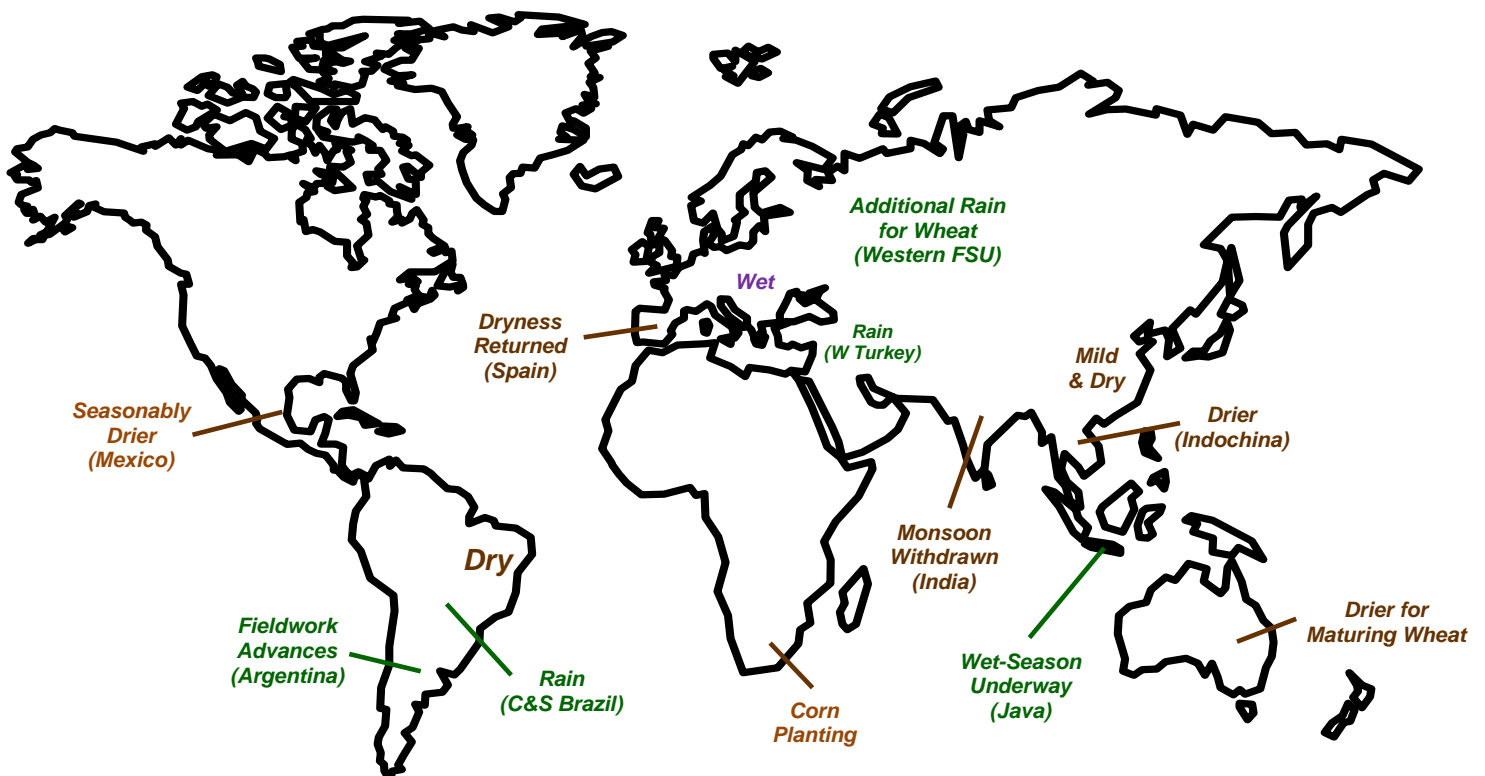
AUSTRALIA: Drier weather promoted winter wheat maturation and summer crop sowing in the northeast.

SOUTH AFRICA: Conditions favored corn planting in the main eastern production areas.

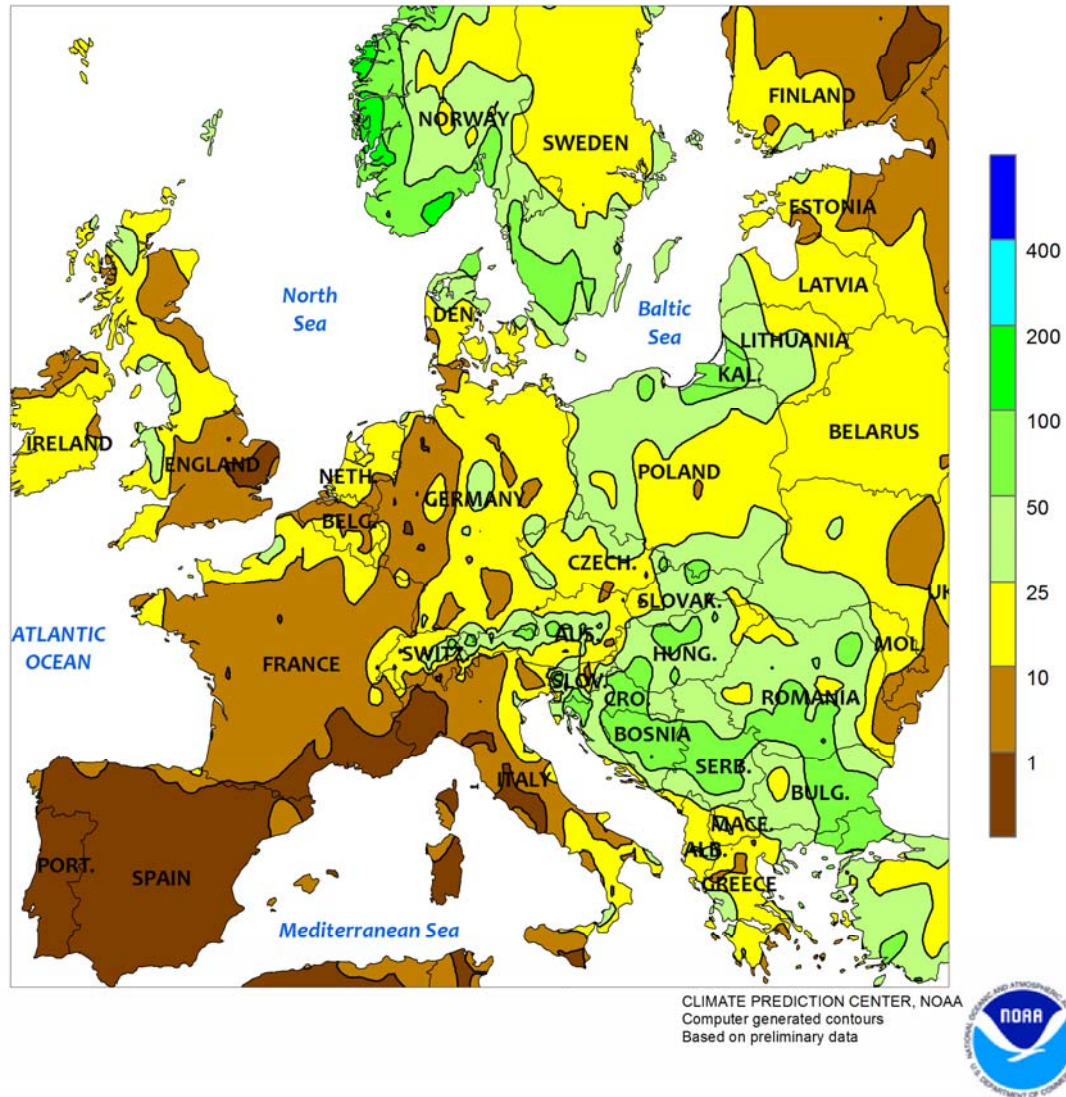
ARGENTINA: Light to moderate rain maintained overall favorable levels of moisture for summer crop germination.

BRAZIL: Timely showers improved conditions for soybean planting in central Brazil.

MEXICO: Seasonable dryness and warmth benefited maturing summer corn.



EUROPE
Total Precipitation (mm)
OCT 22 - 28, 2017

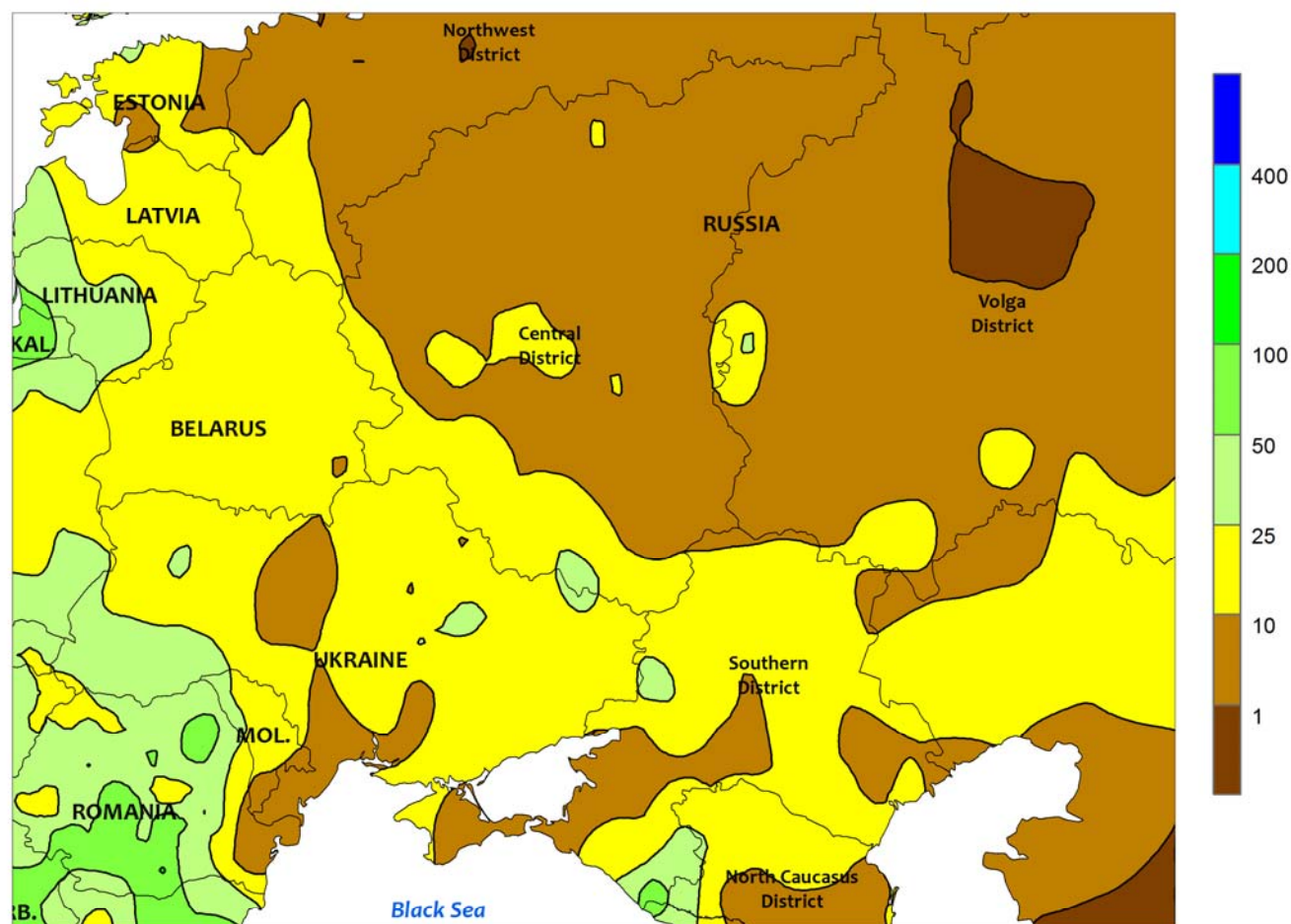


EUROPE

Widespread rain across eastern Europe contrasted with a return to warm, dry weather in the southwest. Weekly rainfall from an early-week storm system and a late-week cold front totaled 20 to 70 mm (locally more) over the eastern third of the continent, boosting moisture supplies for winter crop establishment but causing lowland flooding and hampering seasonal fieldwork from Poland and the Baltic States into the Balkans. Farther west, lighter showers (1-25 mm) in England, France, and Germany were beneficial for winter wheat and rapeseed establishment, with warmer-than-normal conditions (2-4°C above normal) preventing crops from entering

dormancy. Meanwhile, dry, unseasonably warm weather (up to 7°C above normal) returned to southwestern Europe, renewing drought concerns on the Iberian Peninsula; 60-day rainfall from Portugal into northern Spain (Castilla y León) has totaled a meager 10 to 25 percent of normal. Winter wheat and barley in Spain are primarily sown in November, and soil moisture remained in very short supply for crop establishment, especially in the region's northern growing areas. Short-term drought has also returned to western and central portions of Italy, impacting some of the country's winter wheat and barley areas.

WESTERN FSU
Total Precipitation (mm)
OCT 22 - 28, 2017



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

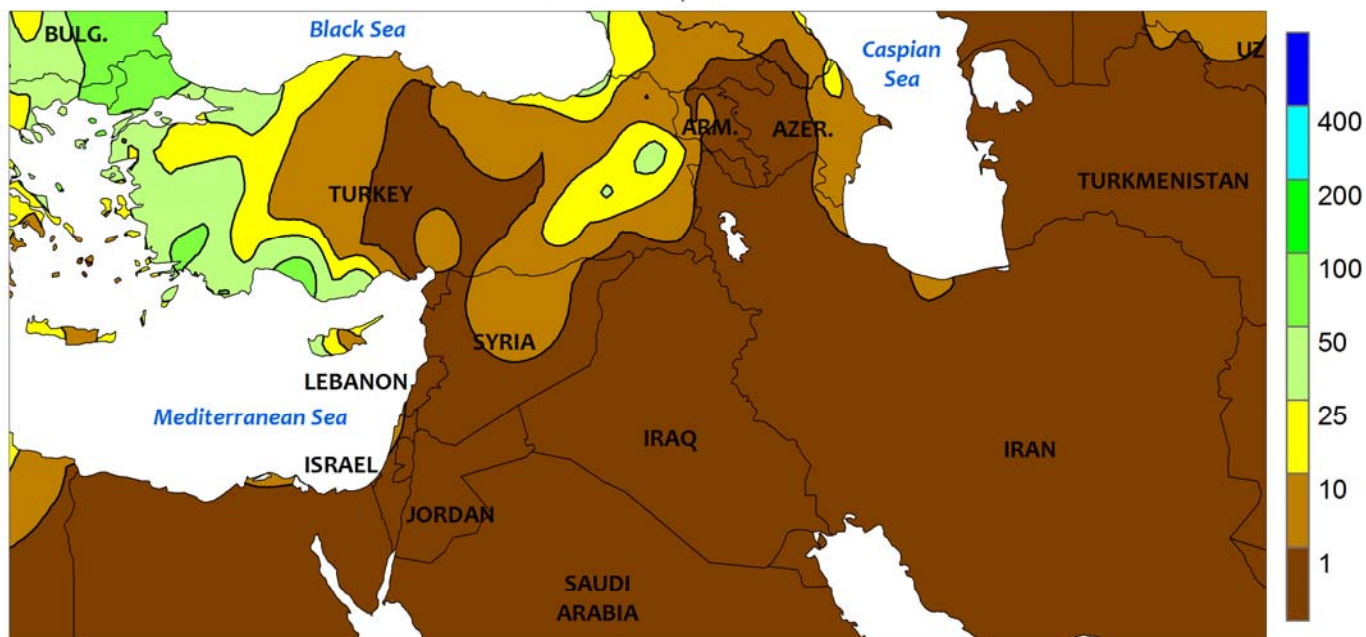


WESTERN FSU

Additional rainfall eased or alleviated lingering short-term moisture deficits over the region's primary winter wheat areas. From central Ukraine into southern Russia, 10 to 30 mm of rain (locally more) boosted soil moisture supplies for winter wheat establishment following a late-summer and early-autumn drought. While temperatures during the

period averaged 2 to 5°C below normal in central and northern portions of the region, primary winter wheat areas from south-central Ukraine into Russia's Southern District remained closer to normal. As a result, winter wheat was not yet dormant and therefore benefited from the late-season rain.

MIDDLE EAST
Total Precipitation (mm)
OCT 22 - 28, 2017



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

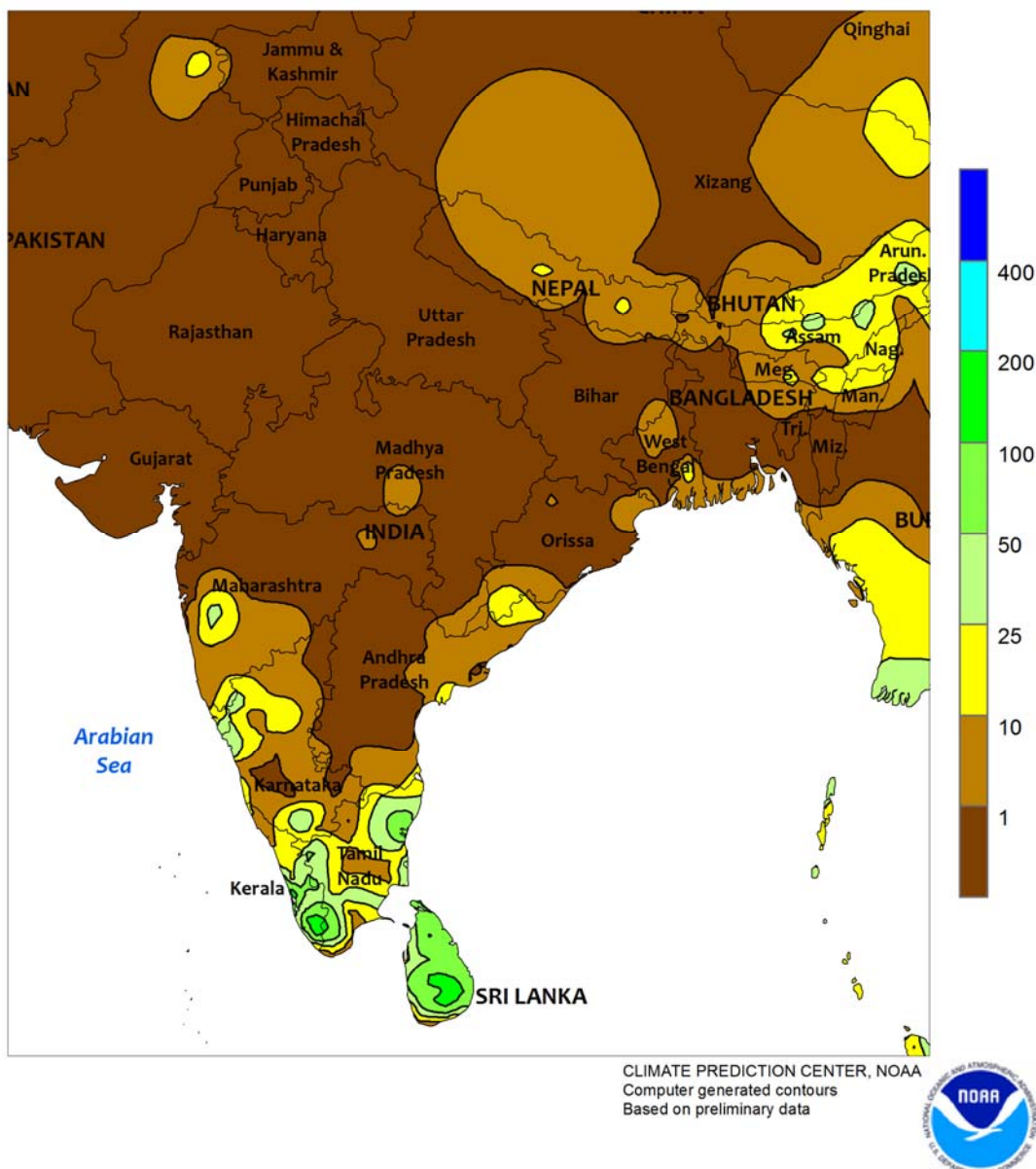


MIDDLE EAST

Favorable rainfall in western Turkey contrasted with dry weather elsewhere. Early in the period, a slow-moving Mediterranean storm system produced 10 to 80 mm of rain over southern and western portions of Turkey, boosting moisture supplies for winter wheat and barley establishment. However, key wheat and barley areas from central Turkey's Anatolian Plateau into the southeast (Adana Province)

remained unfavorably dry; 60-day rainfall in these growing areas has totaled less than 25 percent of normal. Elsewhere, dry weather prevailed, though rain typically arrives from the eastern Mediterranean Coast into Iraq and southern Iran in late October and November. Temperatures averaged 2 to 5°C above normal, with summer-like heat (30-40°C) reported from the eastern Mediterranean Coast into southern Iraq.

SOUTH ASIA
Total Precipitation (mm)
OCT 22 - 28, 2017

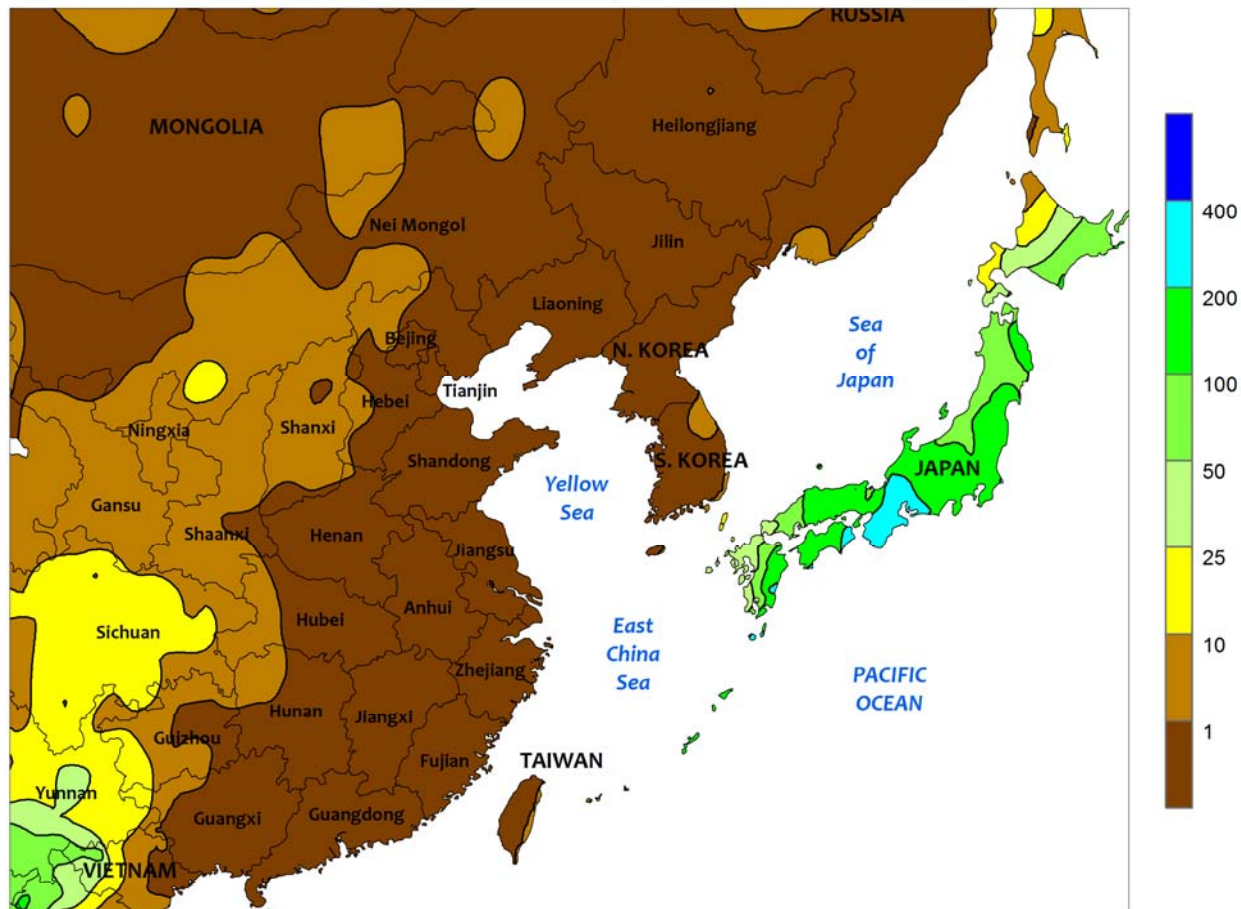


SOUTH ASIA

The monsoon completely withdrew from India on October 25, as reported by the Indian Meteorological Department. The complete withdrawal from the country was the second latest in the last six years (last year's withdrawal was October 28). The late withdrawal meant additional rainfall for cotton and soybeans planted in the later part of the summer, potentially increasing yields. For the remainder of the crops, hot, seasonably dry weather facilitated maturation and drydown. In

the north, cotton and rice harvesting was nearing completion, while harvesting was just beginning in western and central oilseed and cotton areas. Additionally, following torrents in Bangladesh from a recent tropical disturbance, much-needed dryness overspread the country. The dry weather eased heavy flooding in fields and the sunnier conditions benefited rice that is harvested in November. Farther south, seasonal showers (over 50 mm) in Sri Lanka aided rice (maha crop) establishment.

EASTERN ASIA
Total Precipitation (mm)
OCT 22 - 28, 2017



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

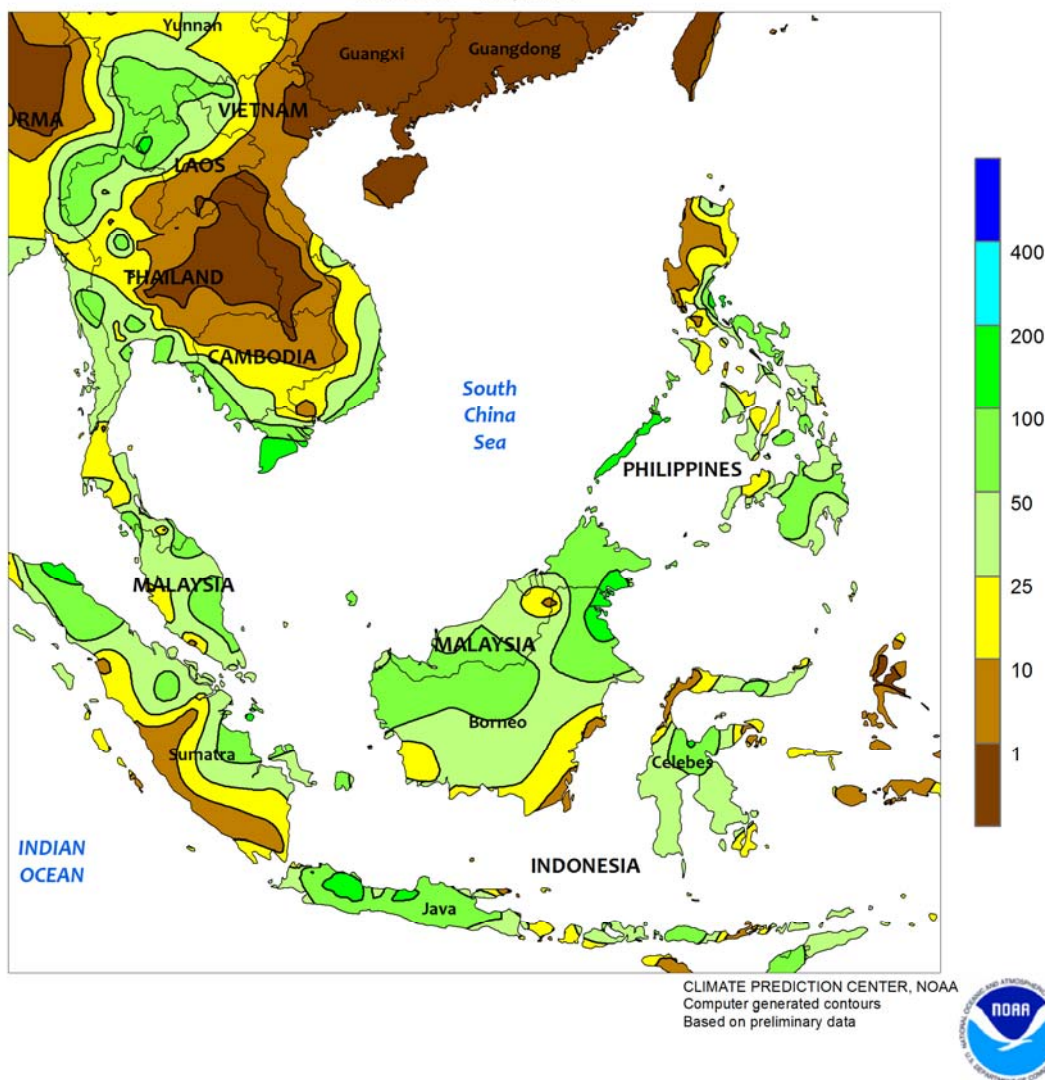


EASTERN ASIA

Drier, mild weather overspread eastern China, facilitating seasonal fieldwork. On the North China Plain, summer crop harvesting lingered (mostly cotton), while winter wheat planting neared completion. Meanwhile in the Yangtze Valley, winter rapeseed planting was almost complete. Soil moisture in winter crop areas remained

favorable from consistent rain in the first half of October. Elsewhere in the region, Tropical Cyclone Saola skimmed the eastern coast of Japan, bringing heavy showers (50-200 mm or more) to much of the country. The excessive wetness slowed rice harvesting but likely did little damage to the crop.

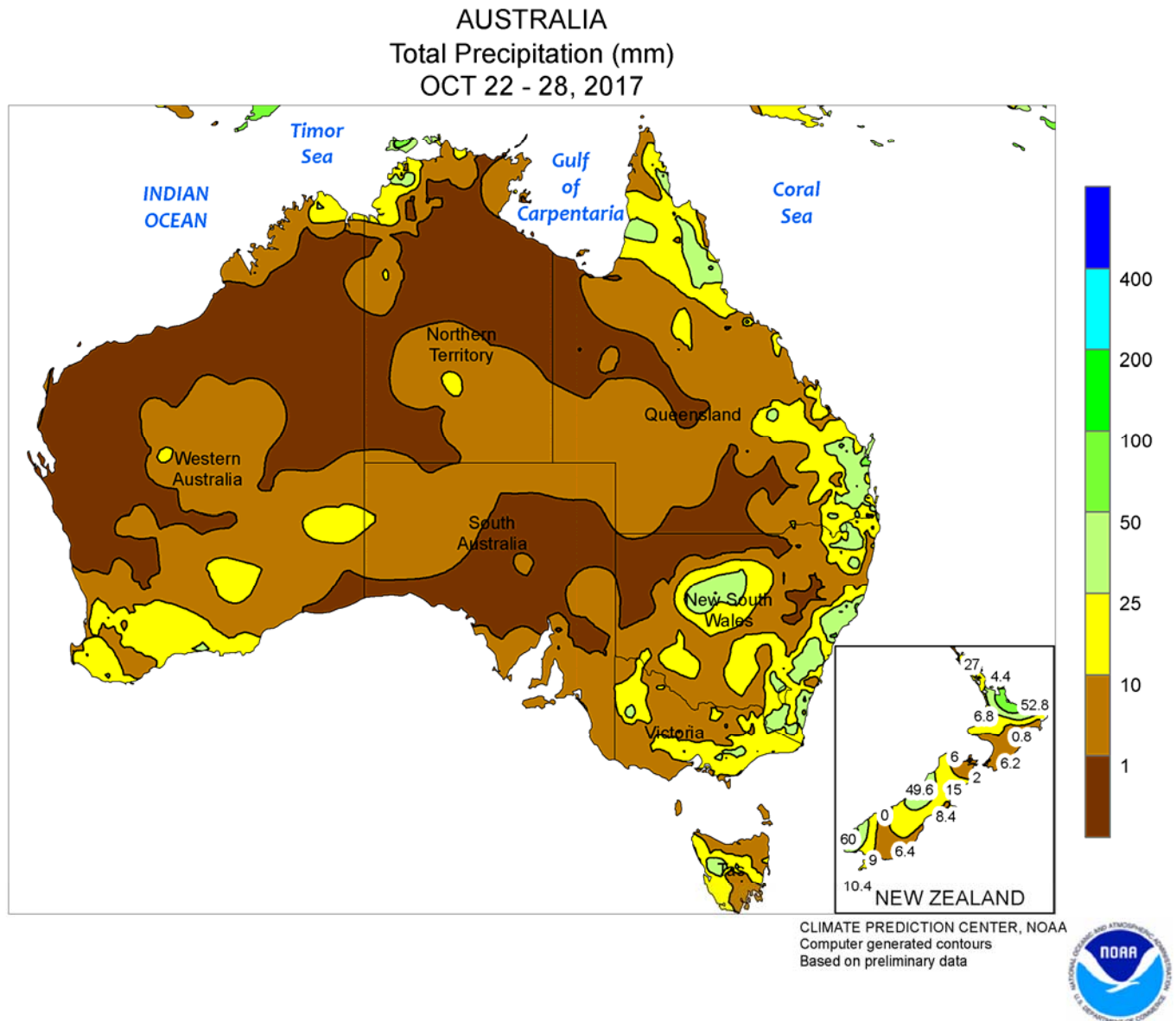
SOUTHEAST ASIA
Total Precipitation (mm)
OCT 22 - 28, 2017



SOUTHEAST ASIA

Drier weather further eased into Indochina, with showers (25 mm or more) confined to the peripheries of western and southern Thailand as well as central and southern Vietnam. The drier conditions promoted ripening of wet-season rice that is harvested in November. However, the wet weather in central Vietnam slowed coffee harvesting. In the Philippines, rainfall returned to more seasonable amounts (25-50 mm, locally more) following the deluges from Typhoon Lan passing close to the country last week. The relatively drier

conditions aided summer rice ripening (harvest begins in November) and seasonal fieldwork. In southern parts of the region, showers increased in Malaysia and Indonesia, bringing over 25 mm to most oil palm areas. The moisture benefited the crop without causing major delays in harvest activities. Rainfall was heavier in Java (Indonesia), where over 50 mm increased soil moisture and water supplies for wet-season rice establishment (the wet season typically encompasses Java by the end of November).

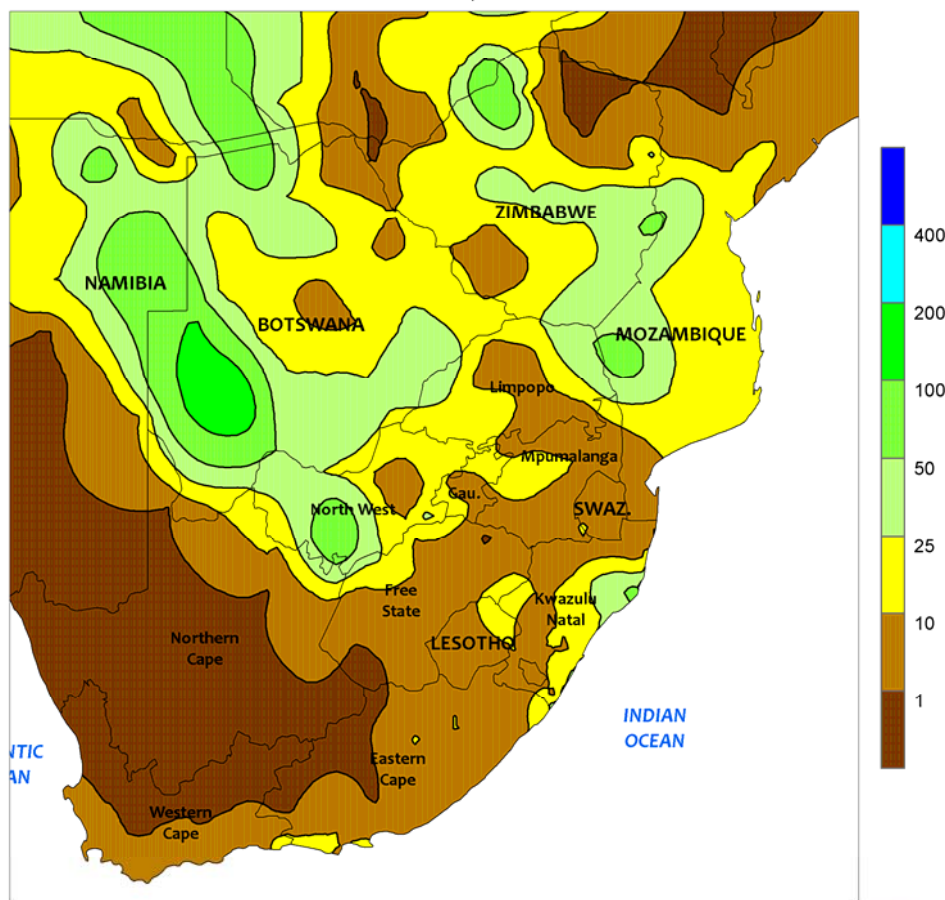


AUSTRALIA

Following three weeks of soaking rains, widely scattered showers (less than 5 mm) dotted interior portions of southern Queensland and northern New South Wales. The drier weather was welcome in the wake of the heavy rains, helping to ease local flooding and promoting winter wheat drydown and harvesting. Given the substantial increase in topsoil moisture in the last few weeks, the drier weather likely triggered widespread cotton, sorghum, and other summer crop sowing. Significantly, dryland acreage has surged in recent years when repeated, soaking rains fell during summer crop planting in eastern Australia. Elsewhere in the east, widespread showers (5-25 mm) in

central and southern New South Wales and northern Victoria benefited immature winter grains and oilseeds, helping to maintain current yield prospects. In contrast, mostly dry weather (generally less than 5 mm) in South Australia was unfavorable for immature winter crops but helped dry down earlier maturing varieties. In Western Australia, widespread showers (5-20 mm) in the south benefited filling wheat and other winter crops, while mostly dry weather (less than 5 mm) in the north favored maturing winter grains and oilseeds. Temperatures averaged 1 to 3°C above normal throughout most of the Australian wheat belt, hastening crop development.

SOUTH AFRICA
Total Precipitation (mm)
OCT 22 - 28, 2017



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

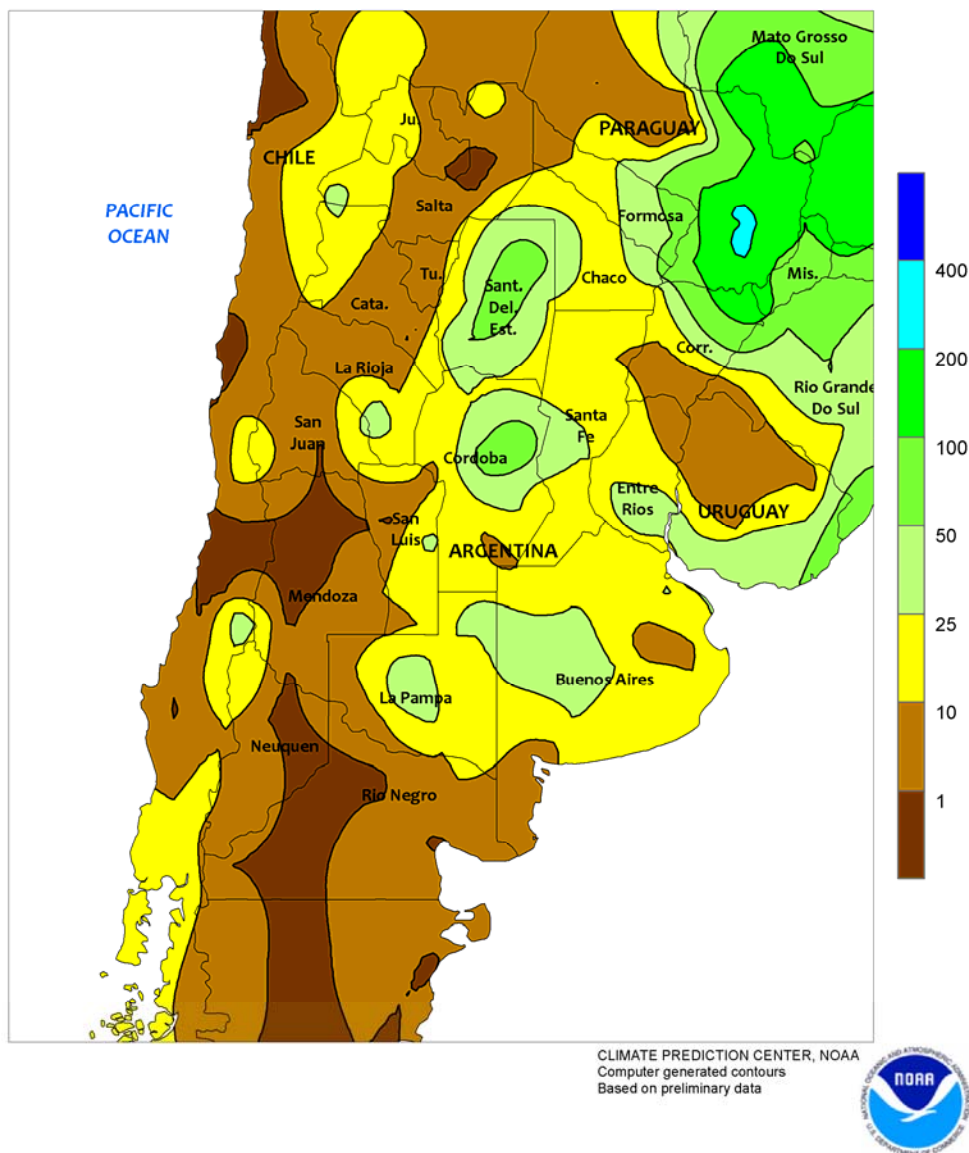


SOUTH AFRICA

Conditions favored summer crop planting in eastern sections of the corn belt. Showers (1-30 mm) were widely scattered across the region, allowing some planting to progress in eastern production areas (in and around Mpumalanga). Weekly temperatures averaged 1 to 2°C above normal, with daytime highs reaching the lower 30s (degrees C) at most locations. These eastern locations — where irrigation has become increasingly available in recent years — have received near-normal rainfall thus far in the season. Planting typically occurs later in the year in western production areas, with time

available to gain the required moisture for uniform germination. Elsewhere, light to moderate rain (5-25 mm, locally higher) returned to coastal locations in KwaZulu-Natal, boosting moisture for rain-fed sugarcane, as sunny, occasionally hot weather (highs approaching 40°C) spurred rapid growth of irrigated sugarcane in northern KwaZulu-Natal and eastern Mpumalanga. Similarly, dryness and seasonable warmth (high temperatures ranging from the upper 20s to the middle 30s) spurred early growth of irrigated summer row crops in the Cape Provinces.

ARGENTINA
Total Precipitation (mm)
OCT 22 - 28, 2017

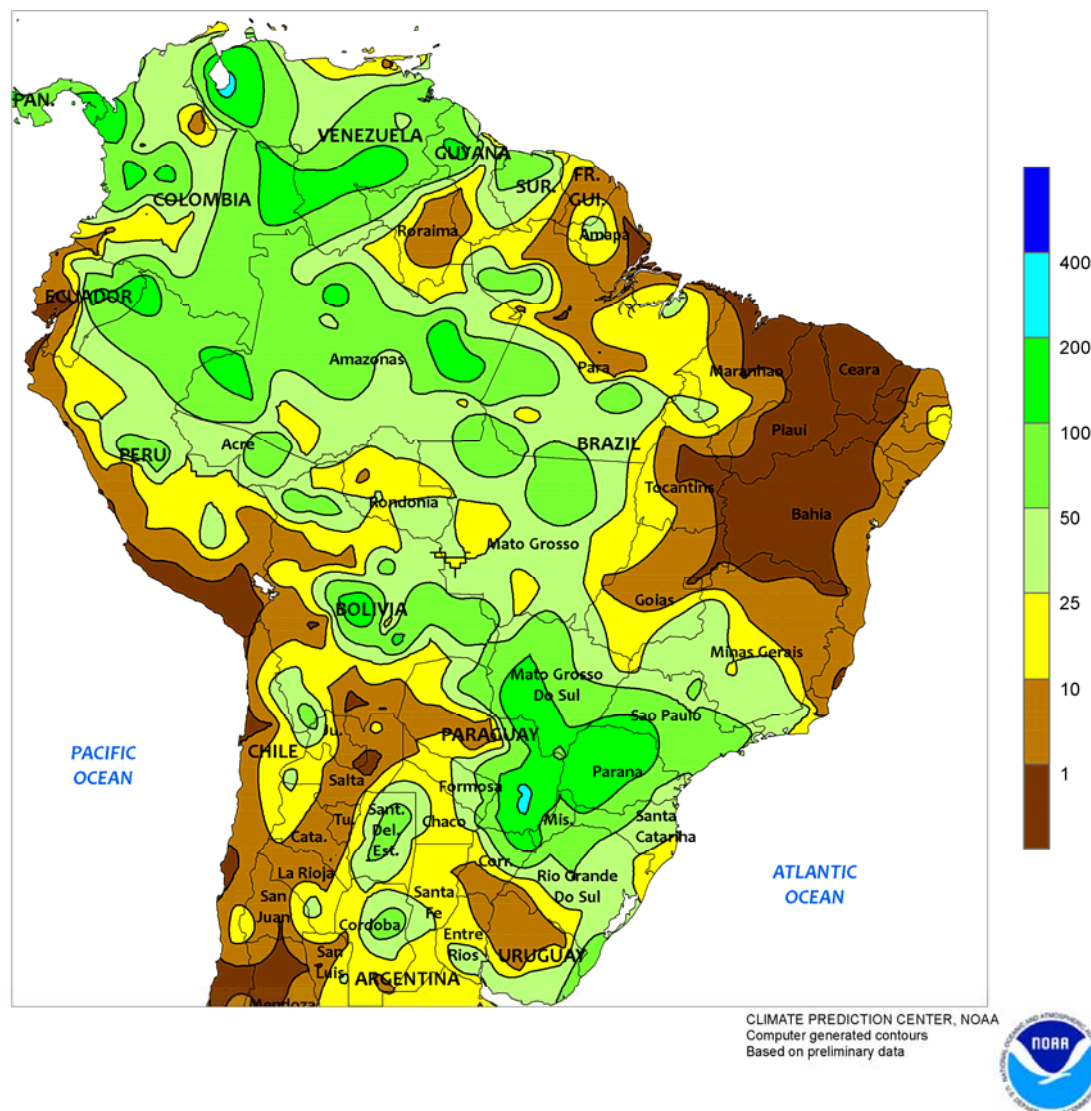


ARGENTINA

Showers expanded westward, improving prospects of summer grains and oilseeds in western production areas of central Argentina. Rainfall totaling 10 to 35 mm returned to Cordoba and northern La Pampa and reached northward into Santiago del Estero, boosting topsoil moisture for germination of corn, sunflowers, and peanuts after several weeks of below-normal rainfall. Similar amounts were recorded in eastern production areas, notably previously-wet locations in the Parana River Valley where farmers welcomed the reduction in rainfall. Weekly temperatures generally averaged within 1°C of normal in the aforementioned areas, with daytime highs reaching the

middle 20s to lower 30s (degrees C) and patchy frost confined to traditionally cooler southern farming areas. Temperatures were higher farther north — reaching the middle to upper 30s in many locations — though average temperatures were near to slightly below normal. The heaviest northern rain (greater than 25 mm) was concentrated over the vicinity of eastern Formosa. According to the government of Argentina, sunflowers were 55 percent planted as of October 26, 5 points ahead of last year's pace. Similarly, corn was 32 percent planted versus 28 percent last year. Soybean planting was reportedly underway in parts of central Argentina.

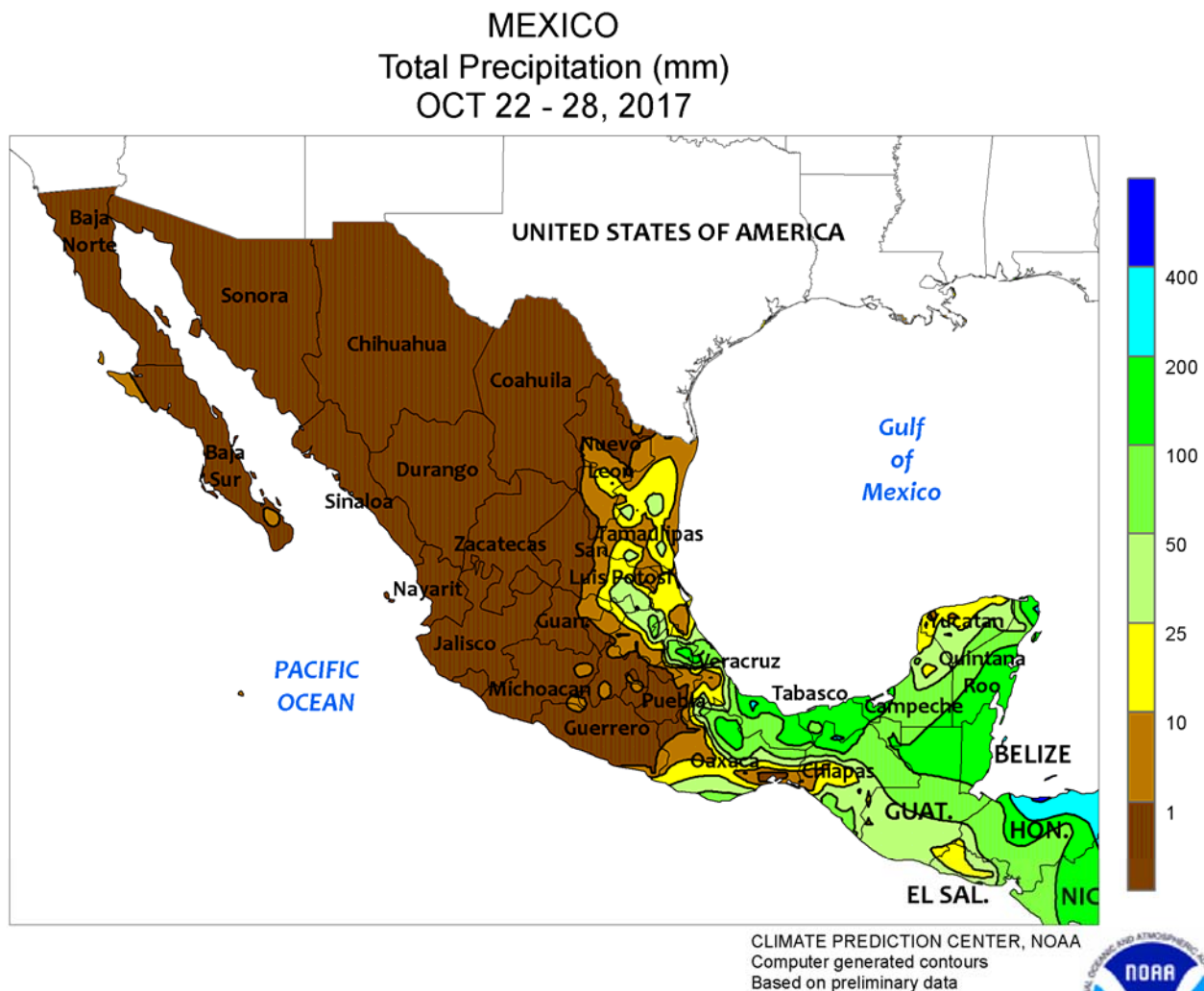
BRAZIL
Total Precipitation (mm)
OCT 22 - 28, 2017



BRAZIL

Beneficial rain spurred soybean planting in key central production areas. Rainfall totaling 10 to 40 mm conditioned topsoils for fieldwork in Mato Grosso and neighboring locations in Mato Grosso do Sul and southern Goiás. In contrast, unseasonable dryness and warmth (weekly temperatures averaging more than 4°C above normal in some areas, with daytime highs reaching 40°C) persisted in Tocantins, western Bahia, and the southern production areas of Maranhão and Piauí. According to the government of Mato Grosso, soybeans were 44 percent planted as of October 27, lagging last year's accelerated pace by approximately 24

points. Elsewhere, moderate to heavy rain (25-100 mm or more) fell throughout southern Brazil, maintaining adequate to abundant levels of moisture for corn, soybeans, and other crops. In São Paulo and Minas Gerais, the rainfall ended several weeks of unseasonable dryness that reduced moisture for sugarcane and coffee. The region's heaviest rainfall (greater than 100 mm) was concentrated over northern Paraná and eastern Paraguay, likely resulting in some localized flooding. According to Paraná's government, soybeans and first-crop corn were 89 and 66 percent planted, respectively, as of October 23; additionally, wheat was 83 percent harvested.



MEXICO

Seasonably dry weather dominated much of northern and central Mexico. On the southern plateau (Jalisco to Puebla), late-summer warmth (daytime highs reaching the upper 20s and lower 30s degrees C) accompanied the dryness, favoring development of corn and other filling to maturing summer crops. Scattered showers (5-50 mm) lingered along the Gulf Coast (Tamaulipas to southern Veracruz) with heavier rainfall (greater than 50 mm) covering much of the southeast from

Tabasco eastward. Meanwhile, warmth and dryness dominated northwestern watersheds, as the monsoon was fully withdrawn from the region. Daytime highs reached 40°C along the northwestern coast, maintaining high evaporative losses.

This is the final weekly summary of the season; coverage will resume in April 2018 upon the start of the summer rainy season.

29 Oct 2017

07:45 UTC

GEORGIA

FLORIDA

Philippe achieved tropical-storm status on October 28 near western Cuba before racing northeastward. Philippe, the sixteenth named storm of the Atlantic hurricane season, later merged with a cold front after delivering locally heavy showers to southern Florida.

In southern Florida, October 28-29 rainfall locally topped 5 inches in a few locations, including West Palm Beach (6.72 inches) and Pompano Beach (5.65 inches). During the same period, peak wind gusts were clocked to 42 mph in Miami; 41 mph in Key West; and 40 mph in West Palm Beach. Philippe was also responsible for heavy rain in other areas, stretching from central America through Cuba and into the Bahamas.

MEXICO

GOES East IR

Oct. 29, 2017

3:45 am EDT

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Correspondence to the meteorologists should be directed to:
Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 4443B, Washington, DC 20250.

Internet URL: <http://www.usda.gov/oce/weather>

E-mail address: brippey@oce.usda.gov

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U.S. DEPARTMENT OF AGRICULTURE

World Agricultural Outlook Board

Managing Editor.....**Brad Rippey** (202) 720-2397

Production Editor.....**Brian Morris** (202) 720-3062

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Joshua O'Rear (202) 720-7621

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