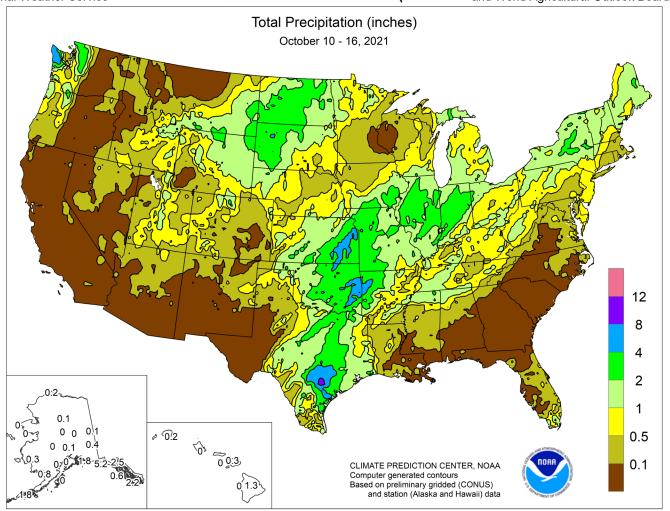
WEEKLY MATHER AND CROP BULLETIN

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



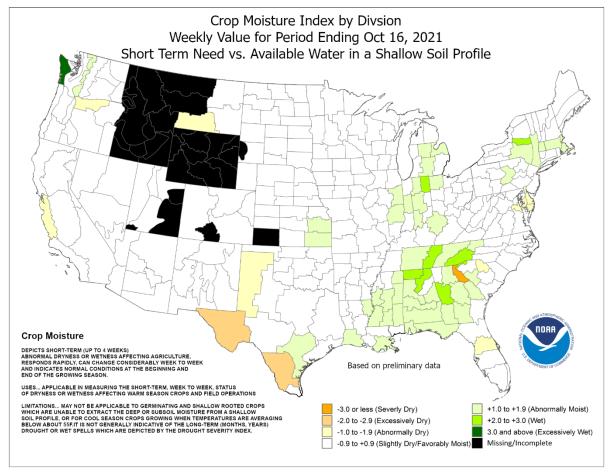
HIGHLIGHTSOctober 10 – 16, 2021

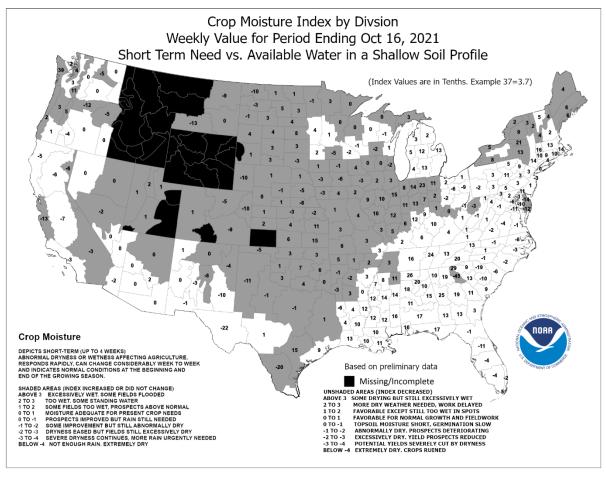
Highlights provided by USDA/WAOB

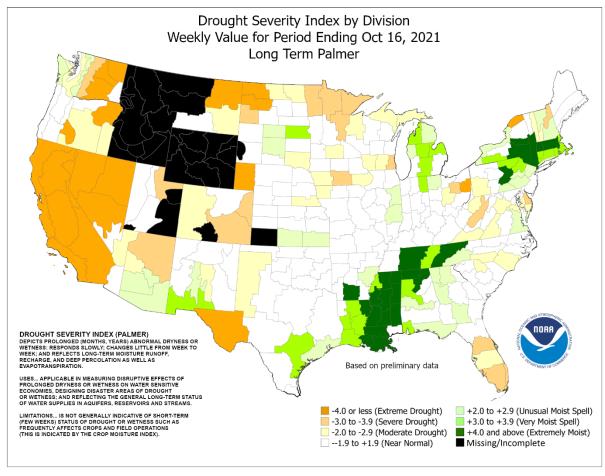
winter-like storm system crossing the West and the northern Plains delivered substantial, drought-easing precipitation to some areas, including the Dakotas, southern and eastern Montana, and the Intermountain region. Early-season snow (locally 1 to 2 feet or more) blanketed portions of the Intermountain West, extending as far east as the Black Hills. Meanwhile, the storm's trailing cold front—interacting with remnant tropical moisture associated with former eastern Pacific Hurricane Pamela—contributed to heavy showers and locally severe

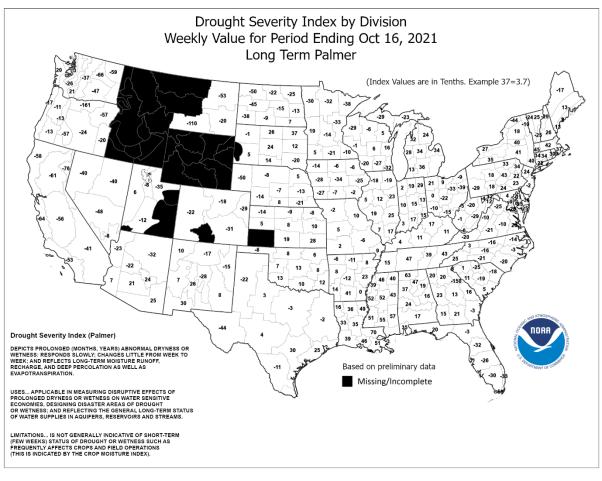
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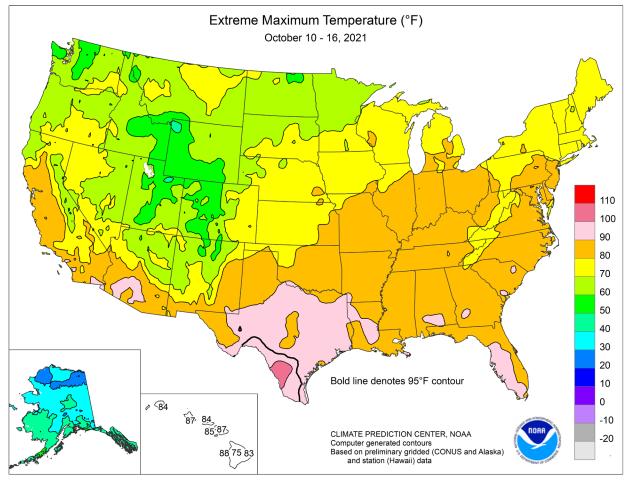
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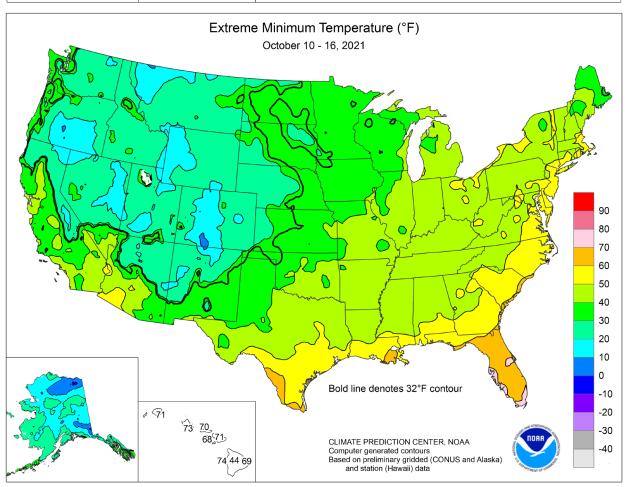












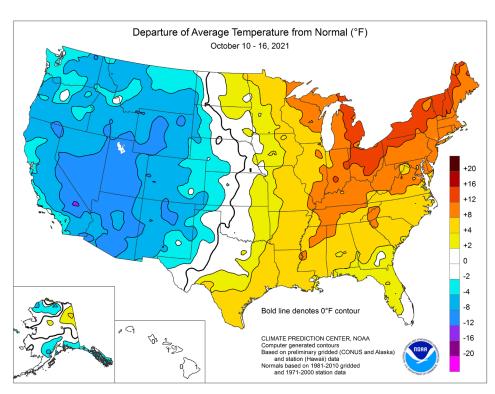
(Continued from front cover)

thunderstorms. Some of the heaviest rain, locally 2 to 4 inches or more, extended northward from the western Gulf Coast region across the east-central Plains and southern Corn Belt. In contrast, little or no precipitation fell in the Southeast and much of the Far West. Southeastern dryness was particularly beneficial for summer crop maturation and harvesting, following a protracted period of wetness ending in early October. In California, however, dry, windy weather fanned a few new wildfires, including the 17,000-acre Alisal Fire, ignited on October 11 between Lompoc and Santa Barbara. Chilly conditions gripped most areas from the Pacific Coast to the High Plains. Some of the coldest air, relative to normal, pushed across the Great Basin and Southwest, holding weekly temperatures as much as 10°F below normal. In stark contrast, significantly above-normal temperatures covered the eastern half of the U.S. Temperatures averaged at least 10 to 15°F above normal in many locations from the Great Lakes region into the Northeast.

Despite a late-week **Midwestern** turn toward cooler weather, the 2021 growing season largely continued—more than 2 weeks after the normal first autumn freeze date in some places across the **northwestern Corn Belt**.

On October 10, La Crosse, WI, noted a high temperature of 81°F and a low of 63°F. This marked La Crosse's 109th day this year with a maximum reading of 80°F or greater, and the 101st day with a minimum of 60°F or higher. Previous records in La Crosse had been 108 days (in 1998) and 100 days (in 2018), respectively. Farther south, Galveston, TX, reported several daily-record highs, including a reading of 90°F on October 10. During the mid- to late-week period, warmth surged into the East in advance of a cold front. Tampa, FL, registered consecutive daily-record highs of 92°F on October 13-14. In Maine, record-setting highs for October 13 rose to 77°F in Caribou and 76°F in Houlton. October 14 featured dailyrecord highs in Eastern locations such as Fort Myers, FL (92°F); Florence, SC (88°F); and Columbus, OH (86°F). Florence posted another daily-record high on October 16, with a reading of 91°F. Allentown, PA, closed the week with consecutive daily-record highs (82 and 81°F, respectively) on October 15-16. Elsewhere in the East, daily-record highs for October 16 surged to 87°F in Wilmington, NC, and 72°F in Saint Johnsbury, VT. In contrast, chilly air settled across the West. By October 12, Northwestern daily-record lows dipped to 17°F in Redmond, OR, and 36°F in Seattle, WA. In Montana, record-setting lows for October 13 plunged to 9°F in Cut Bank and 13°F in Kalispell. On the same date in southern California, daily-record lows included 28°F in Campo, 33°F in Ramona, and 35°F in Palmdale. Thermal, CA, tallied consecutive daily-record lows (41 and 45°F, respectively) on October 13-14. By the morning of October 17, Dalhart, TX, logged a daily-record low of 28°F.

Early in the week, a non-tropical disturbance lurked near the **North Carolina coastline**, where **Cape Hatteras** received 5.69 inches of rain on October 9-10. However, the focus for stormy, windy weather soon turned to the **West**. By late October 11, several wind gusts above 60 mph were clocked in **southern California**, including 68 mph at the **Mount Laguna Observatory**. On October 12, gusts to 70 mph were recorded at **Fort Stanton**, **NM**, and **Sierra Vista**, **AZ**. By mid-week,



high winds shifted to the north-central U.S., where gusts in South Dakota reached 69 mph in Philip and 64 mph in Rapid City. Significant high-elevation snow accompanied the western storminess. West Yellowstone, MT, received 9.5 inches of snow in a 48-hour period on October 11-13. Calendar-day totals for October 12 in Wyoming included 8.2 inches in Casper and 7.3 inches in Lander. Casper's 3-day (October 11-13) snowfall was 12.7 inches. In South Dakota's Black Hills, storm-total snowfall exceeded 20 inches in Deadwood and several neighboring communities. Similar highelevation snowfall totals were reported in parts of Wyoming and southern Montana. Meanwhile, rainfall totaled 2.15 inches in Rapid City, SD, on October 12-13, mainly due to a daily-record sum of 1.63 inches on the first day of the event. By October 13, daily-record amounts in North Dakota included 1.60 inches in Minot, 1.57 inches in Dickinson, and 1.47 inches in Bismarck. Farther south, the interaction between remnant tropical moisture and a cold front delivered daily-record amounts on the 13th to Fort Smith, AR (4.56 inches), and San Antonio, TX (2.64 inches). Over a 6-day period (October 10-15), San Antonio received 5.37 inches. Rain in the western Gulf Coast region lingered into October 14, when Corpus Christi, TX, collected a daily-record amount (2.28 inches). Late in the week, heavy showers swept into the eastern one-third of the U.S.; daily-record totals included 1.96 inches (on October 15) in Fort Wavne, IN; 1.80 inches (on October 15) in Memphis, TN; and 1.54 inches (on October 16) in Saint Johnsbury, VT. Late-week precipitation also arrived in the Pacific Northwest, where Quillayute, **WA**, measured a record-setting total (2.89 inches) for October 15.

Cool, damp weather in **southeastern Alaska** contrasted with drier conditions and near- or above-normal temperatures across much of the mainland. **Yakutat** received a weekly precipitation sum of 5.24 inches, aided by 1.94- and 1.21-inch totals, respectively, on October 11 and 12. In **Juneau**, month-to-date rainfall through October 16 totaled 8.06 inches (176 percent of normal). Farther south, significant **Hawaiian** shower activity was mostly limited to windward locations. On the **Big Island**, **Hilo's** October 1-16 rainfall reached 7.64 inches (155 percent of normal). A few **Big Island** locations, including **Hakalau** and **Saddle Quarry**, received more than 10 inches of rain in a 24-hour period on October 11-12. In contrast, October 1-16 rainfall in **Honolulu**, **Oahu**, totaled just 0.02 inch (3 percent of normal).

National Weather Data for Selected Cities

Weather Data for the Week Ending October 16, 2021
Data Provided by Climate Prediction Center

| | = | | | | • | Julu | 11104 | ovided by Climate Prediction Center | | | | | | | REL | ATIVE | NUN | /IBER | OF D | AYS |
|-----|----------------------------|--------------------|--------------------|-----------------|----------------|----------|--------------------------|-------------------------------------|--------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------|--------------|---------------------|---------------------|
| | STATES | 1 | ГЕМБ | PERA | TUR | E ° | F | | | PREC | CIPITA | ATION | l | | HUM | IIDITY CENT | TEM | IP. °F | PRE | CIP |
| | | | | | | | 7 | | 7 | _ | | | | | | | lu | > | | |
| 5 | AND STATIONS | 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 | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| AK | ANCHORAGE BARROW | 42 28 | 33 24 | 49 31 | 29 22 | 37 26 | 1 7 | 0.11 0.24 | -0.38 0.13 | 0.10 0.06 | 2.78 2.15 | 65 217 | 12.20 5.62 | 89 132 | 88 85 | 65 72 | 0 | 4 7 | 2 7 | 0 |
| | FAIRBANKS | 36 | 28 | 46 | 24 | 32 | 5 | 0.24 | -0.15 | 0.00 | 1.66 | 104 | 12.18 | 131 | 86 | 64 | 0 | 6 | 2 | 0 |
| | JUNEAU | 46 | 40 | 48 | 30 | 43 | -1 | 3.14 | 1.11 | 0.94 | 17.60 | 131 | 63.02 | 135 | 91 | 74 | 0 | 1 | 7 | 3 |
| | KODIAK NOME | 47 37 | 40 28 | 52 40 | 30 24 | 44 33 | 2 | 0.04 0.04 | -1.84 -0.34 | 0.04 0.02 | 3.33 2.89 | 28 85 | 47.72 18.20 | 81 130 | 78 87 | 49 63 | 0 | 1 7 | 1 3 | 0 |
| AL | BIRMINGHAM | 83 | 63 | 86 | 48 | 73 | 8 | 0.04 | -0.76 | 0.02 | 9.18 | 161 | 61.73 | 144 | 93 | 52 | 0 | 0 | 0 | 0 |
| | HUNTSVILLE | 81 | 61 | 84 | 46 | 71 | 7 | 0.26 | -0.52 | 0.25 | 8.56 | 156 | 55.73 | 133 | 96 | 56 | 0 | 0 | 2 | 0 |
| | MOBILE | 84 | 63 | 88 | 50 | 74 | 5 | 0.00 | -0.76 | 0.00 | 8.60 | 122 | 71.92 | 132 | 100 | 49 | 0 | 0 | 0 | 0 |
| AR | MONTGOMERY FORT SMITH | 85 76 | 61 57 | 90 89 | 50 47 | 73 67 | 6 3 | 0.00 6.97 | -0.64 6.01 | 0.00 4.53 | 8.41 9.43 | 153 151 | 45.10 41.17 | 107 115 | 94 95 | 49 57 | 1 0 | 0 | 0 6 | 0 |
| , \ | LITTLE ROCK | 82 | 60 | 86 | 48 | 71 | 6 | 0.58 | -0.52 | 0.31 | 3.77 | 68 | 34.63 | 93 | 94 | 49 | 0 | 0 | 3 | 0 |
| AZ | FLAGSTAFF | 53 | 26 | 61 | 21 | 39 | -8 | 0.21 | -0.17 | 0.13 | 2.47 | 75 | 20.10 | 115 | 86 | 33 | 0 | 7 | 2 | 0 |
| | PHOENIX PRESCOTT | 82 63 | 57 34 | 92 72 | 52 30 | 70 49 | -8 -9 | 0.04 0.22 | -0.08 0.01 | 0.04 0.20 | 1.07 2.85 | 113 139 | 5.29 11.37 | 83 96 | 45 78 | 13 23 | 1 0 | 0 4 | 1 2 | 0 |
| | TUCSON | 81 | 50 | 92 | 42 | 66 | -6 | 0.00 | -0.23 | 0.00 | 0.73 | 39 | 11.71 | 117 | 42 | 13 | 1 | 0 | 0 | 0 |
| CA | BAKERSFIELD | 75 | 50 | 87 | 45 | 62 | -6 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 1.97 | 41 | 48 | 19 | 0 | 0 | 0 | 0 |
| | EUREKA FRESNO | 58 75 | 41 51 | 62 84 | 34 47 | 50 63 | -5 -5 | 0.01 | -0.43 -0.11 | 0.01 0.00 | 1.15 0.39 | 82 90 | 14.94 5.50 | 59 65 | 93 65 | 72 18 | 0 | 0 | 1 0 | 0 |
| | LOS ANGELES | 76 | 56 | 88 | 53 | 66 | -5 0 | 0.00 | -0.11 -0.11 | 0.00 | 0.39 | 13 | 3.40 | 36 | 77 | 19 | 0 | 0 | 0 | 0 |
| | REDDING | 76 | 48 | 84 | 42 | 62 | -3 | 0.00 | -0.42 | 0.00 | 0.44 | 31 | 9.63 | 43 | 49 | 13 | 0 | 0 | 0 | 0 |
| | SACRAMENTO | 76 75 | 47 | 83 | 43 51 | 61 | -4 -2 | 0.00 | -0.20 | 0.00 | 0.05 | 7 302 | 4.54 5.02 | 36 | 76 74 | 18 28 | 0 | 0 | 0 | 0 |
| | SAN DIEGO SAN FRANCISCO | 75 71 | 55 52 | 86 82 | 50 | 65 62 | -2 -1 | 0.00 | -0.11 -0.19 | 0.00 | 1.28 0.00 | 0 | 5.43 | 66 39 | 78 | 34 | 0 | 0 | 0 | 0 |
| | STOCKTON | 74 | 44 | 81 | 39 | 59 | -6 | 0.00 | -0.16 | 0.00 | 0.01 | 1 | 5.93 | 61 | 77 | 19 | 0 | 0 | 0 | 0 |
| CO | ALAMOSA | 57 | 18 | 65 | 10 | 38 | -7 | 0.09 | -0.07 | 0.05 | 0.61 | 47 | 5.46 | 85 | 90 | 22 | 0 | 7 | 2 | 0 |
| | CO SPRINGS DENVER INTL | 61 62 | 34 32 | 67 70 | 28 27 | 48 47 | -3 -5 | 0.03 0.05 | -0.18 -0.20 | 0.03 0.04 | 0.98 0.33 | 59 21 | 14.17 11.24 | 91 86 | 69 77 | 22 26 | 0 | 3 | 1 2 | 0 |
| | GRAND JUNCTION | 57 | 36 | 68 | 31 | 46 | -8 | 0.48 | 0.23 | 0.04 | 2.59 | 146 | 6.75 | 86 | 90 | 39 | 0 | 1 | 3 | 0 |
| | PUEBLO | 68 | 35 | 75 | 24 | 51 | -2 | 0.13 | -0.04 | 0.11 | 1.08 | 91 | 16.03 | 138 | 70 | 20 | 0 | 2 | 2 | 0 |
| CT | BRIDGEPORT | 73 | 58 | 79 | 55 | 66 | 10 | 0.20 0.33 | -0.64 | 0.16 | 9.05 | 168 | 37.29 | 109 | 92 | 64 | 0 | 0 | 2 | 0 |
| DC | HARTFORD WASHINGTON | 73 76 | 52 63 | 79 81 | 49 54 | 62 69 | 10 9 | 0.33 | -0.70 -0.38 | 0.33 | 9.02 4.44 | 143 81 | 47.12 37.89 | 129 119 | 100 88 | 63 63 | 0 | 0 | 1 3 | 0 |
| DE | WILMINGTON | 75 | 59 | 81 | 52 | 67 | 10 | 0.20 | -0.58 | 0.11 | 11.52 | 185 | 36.78 | 105 | 96 | 66 | 0 | 0 | 2 | 0 |
| FL | DAYTONA BEACH | 87 | 70 | 89 | 67 | 79 | 4 | 0.32 | -0.69 | 0.15 | 4.74 | 49 | 35.59 | 83 | 94 | 59 | 0 | 0 | 3 | 0 |
| | JACKSONVILLE KEY WEST | 85 86 | 65 76 | 89 89 | 62 74 | 75 82 | 3 1 | 0.00 1.28 | -0.98 0.05 | 0.00 0.98 | 7.12 3.97 | 65 41 | 44.33 23.81 | 96 71 | 100 90 | 61 65 | 0 | 0 | 0 4 | 0 |
| | MIAMI | 88 | 75 | 90 | 73 | 82 | 1 | 0.50 | -1.05 | 0.16 | 13.36 | 96 | 47.83 | 88 | 92 | 59 | 1 | 0 | 5 | 0 |
| | ORLANDO | 90 | 72 | 91 | 70 | 81 | 5 | 0.31 | -0.46 | 0.22 | 6.48 | 80 | 36.30 | 81 | 93 | 48 | 6 | 0 | 2 | 0 |
| | PENSACOLA TALLAHASSEE | 84 87 | 68 63 | 87 90 | 58 59 | 76 75 | 6 5 | 0.00 | -1.18 -0.71 | 0.00 | 22.26 11.43 | 254 176 | 82.69 44.28 | 154 87 | 95 94 | 59 49 | 0 | 0 | 0 | 0 |
| | TAMPA | 91 | 75 | 93 | 73 | 83 | 6 | 0.00 | -0.49 | 0.00 | 7.42 | 96 | 43.33 | 104 | 85 | 50 | 4 | 0 | 1 | 0 |
| | WEST PALM BEACH | 87 | 73 | 88 | 70 | 80 | 1 | 2.63 | 1.50 | 1.51 | 14.35 | 127 | 41.61 | 80 | 95 | 58 | 0 | 0 | 5 | 2 |
| GA | ATHENS | 84 80 | 61 | 88 85 | 51 | 72 | 8 7 | 0.00 | -0.81 | 0.00 | 7.20 | 121 | 42.81 | 115 | 91 91 | 47 | 0 | 0 | 0 | 0 |
| | ATLANTA AUGUSTA | 84 | 62 58 | 88 | 51 50 | 71 71 | 6 | 0.00 | -0.74 -0.77 | 0.00 | 6.54 7.34 | 102 144 | 45.52 47.86 | 113 133 | 96 | 50 47 | 0 | 0 | 0 | 0 |
| | COLUMBUS | 84 | 61 | 88 | 54 | 73 | 5 | 0.00 | -0.56 | 0.00 | 13.82 | 314 | 50.74 | 136 | 92 | 45 | 0 | 0 | 0 | 0 |
| | MACON | 83 | 58 | 88 | 50 | 71 | 5 | 0.00 | -0.62 | 0.00 | 10.26 | 201 | 44.29 | 119 | 97 | 51 | 0 | 0 | 0 | 0 |
| н | SAVANNAH HILO | 83 82 | 62 71 | 88 83 | 58 69 | 73 76 | 4 1 | 0.00 5.50 | -0.92 3.45 | 0.00 1.38 | 10.63 16.28 | 154 111 | 43.28 104.19 | 105 110 | 99 93 | 57 69 | 0 | 0 | 0 7 | 0 |
| | HONOLULU | 86 | 75 | 87 | 73 | 80 | 0 | 0.02 | -0.36 | 0.01 | 0.15 | 9 | 9.75 | 93 | 74 | 49 | 0 | 0 | 2 | 0 |
| | KAHULUI | 85 | 73 73 | 87 84 | 71 71 | 80 | 1 | 0.32 | 0.07 | 0.25 | 0.63 | 67 66 | 15.18 | 129 | 85 | 55 67 | 0 | 0 | 4 | 0 |
| IA | LIHUE BURLINGTON | 82 71 | 73 52 | 84 82 | 71 41 | 78 61 | -1 5 | 0.23 1.67 | -0.58 0.98 | 0.06 1.35 | 2.55 4.56 | 66 88 | 25.65 34.14 | 101 105 | 91 90 | 67 51 | 0 | 0 | 5 3 | 0 |
| | CEDAR RAPIDS | 66 | 46 | 72 | 35 | 56 | 5 | 2.77 | 2.21 | 1.49 | 4.97 | 109 | 17.34 | 58 | 96 | 58 | 0 | 0 | 4 | 2 |
| | DES MOINES | 68 | 48 | 76 72 | 39 | 58 57 | 4 | 1.81 | 1.24 | 1.43 | 2.62 | 59 | 20.59 | 66 70 | 82 | 41 | 0 | 0 | 2 | 1 |
| | DUBUQUE SIOUX CITY | 64 68 | 49 39 | 72 75 | 34 33 | 57 53 | 6 1 | 1.55 0.41 | 0.98 -0.11 | 0.65 0.39 | 3.24 2.80 | 67 66 | 24.40 18.99 | 79 76 | 94 91 | 62 33 | 0 | 0 | 4 2 | 1 |
| | WATERLOO | 68 | 47 | 74 | 37 | 57 | 6 | 0.85 | 0.32 | 0.46 | 3.02 | 76 | 19.69 | 65 | 86 | 46 | 0 | 0 | 2 | 0 |
| ID | BOISE | 59 | 37 | 73 | 32 | 48 | -6 | 0.04 | -0.11 | 0.04 | 0.85 | 91 | 7.98 | 93 | 72 | 27 | 0 | 1 | 1 | 0 |
| | LEWISTON POCATELLO | 60 52 | 40 31 | 76 63 | 32 26 | 50 42 | -3 -6 | 0.02 0.54 | -0.19 0.33 | 0.02 0.44 | 0.81 1.67 | 71 124 | 4.25 8.06 | 43 85 | 74 84 | 29 41 | 0 | 1 6 | 1 3 | 0 |
| IL | CHICAGO/O_HARE | 69 | 55 | 79 | 44 | 62 | 9 | 1.30 | 0.62 | 0.44 | 3.37 | 70 | 22.37 | 75 | 89 | 56 | 0 | 0 | 6 | 1 |
| | MOLINE | 71 | 52 | 80 | 40 | 62 | 8 | 1.87 | 1.22 | 1.02 | 3.33 | 73 | 29.98 | 94 | 91 | 53 | 0 | 0 | 3 | 2 |
| | PEORIA ROCKEORD | 72 68 | 55 52 | 83 73 | 42 40 | 64 60 | 9 7 | 2.42 1.52 | 1.81 n.ge | 0.94 | 5.09 | 112 83 | 35.78 19.16 | 121 63 | 89 | 53 58 | 0 | 0 | 4 3 | 3 2 |
| | ROCKFORD SPRINGFIELD | 73 | 52 54 | 73 87 | 40 40 | 60 64 | 8 | 1.52 2.01 | 0.96 1.32 | 0.72 1.31 | 3.96 6.33 | 83 142 | 19.16 39.26 | 63 130 | 92 92 | 58 53 | 0 | 0 | 4 | 2 |
| IN | EVANSVILLE | 79 | 58 | 86 | 43 | 69 | 10 | 0.99 | 0.30 | 0.82 | 5.74 | 123 | 36.78 | 103 | 95 | 52 | 0 | 0 | 2 | 1 |
| | FORT WAYNE | 74 | 56 | 84 | 46 | 65 | 12 | 2.74 | 2.09 | 1.84 | 8.01 | 186 | 35.11 | 112 | 97 | 62 | 0 | 0 | 6 | 2 |
| | INDIANAPOLIS SOUTH BEND | 75 72 | 57 56 | 82 83 | 41 46 | 66 64 | 10 11 | 1.80 1.26 | 1.11 0.50 | 1.00 0.84 | 9.36 4.34 | 197 82 | 40.09 32.59 | 117 107 | 94 90 | 60 58 | 0 | 0 | 4 | 2 |
| KS | CONCORDIA | 71 | 45 | 79 | 37 | 58 | 1 | 1.38 | 0.95 | 0.90 | 2.63 | 66 | 21.02 | 83 | 87 | 30 | 0 | 0 | 3 | 1 |
| | DODGE CITY | 68 | 43 | 76 | 34 | 56 | -2 | 2.27 | 1.84 | 1.77 | 4.52 | 173 | 17.86 | 93 | 90 | 38 | 0 | 0 | 2 | 2 |
| | GOODLAND TOPEKA | 66 73 | 35 48 | 74 80 | 29 40 | 51 60 | -2 3 | 0.24 2.86 | -0.09 2.20 | 0.24 1.30 | 0.45 6.23 | 22 117 | 12.12 33.29 | 69 104 | 81 92 | 26 36 | 0 | 3 | 1 5 | 0 |
| | . OI LIKA | 13 | +0 | υU | +∪ | υU | J | ∠.00 | ∠.∠∪ | 1.50 | 0.23 | 111/ | 55.28 | 104 | 92 | JU | v | v | J | J |

Based on 1981-2010 normals

*** Not Available

*** Not Available

Weekly Weather and Crop Bulletin
Weather Data for the Week Ending October 16, 2021

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|----------|---------------------------|--------------------|--------------------|-----------------|----------------|----------|--------------------------|----------------------|--------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------|--------------|---------------------|---------------------|
| | | 1 | ГЕМЕ | PERA | TUR | E ° | F | | | PREC | CIPITA | ATION | l | | HUM | IDITY | | IP. °F | | CIP |
| | STATES | | | | | | | | | | | | 1 | | PER | CENT | | | | \blacksquare |
| S | AND STATIONS | 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 | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| KY | WICHITA LEXINGTON | 73 76 | 50 58 | 77 80 | 36 43 | 61 67 | 2 9 | 2.87 1.22 | 2.23 0.54 | 1.13 1.02 | 6.05 7.91 | 129 178 | 27.69 48.19 | 96 133 | 92 96 | 38 61 | 0 | 0 | 4 | 3 |
| | LOUISVILLE | 78 | 61 | 86 | 47 | 70 | 9 | 0.60 | -0.13 | 0.56 | 7.13 | 151 | 40.53 | 112 | 92 | 56 | 0 | 0 | 3 | 1 |
| LA | PADUCAH BATON ROUGE | 81 87 | 59 65 | 88 91 | 43 50 | 70 76 | 10 2 | 0.96 0.00 | 0.10 -0.97 | 0.80 0.00 | 5.50 8.54 | 94 108 | 40.59 71.54 | 105 144 | 86 98 | 46 53 | 0 2 | 0 | 3 | 1 |
| | LAKE CHARLES | 86 | 69 | 89 | 52 | 77 | 6 | 0.16 | -0.89 | 0.12 | 9.33 | 123 | 65.17 | 142 | 97 | 53 | 0 | 0 | 2 | 0 |
| | NEW ORLEANS SHREVEPORT | 85 87 | 71 64 | 88 92 | 65 50 | 78 75 | 6 8 | 0.00 0.11 | -0.74 -0.98 | 0.00 0.08 | 10.82 2.91 | 160 52 | 78.04 39.96 | 152 101 | 93 85 | 55 45 | 0 | 0 | 0 | 0 |
| MA | BOSTON | 73 | 60 | 78 | 57 | 66 | 11 | 0.11 | -0.98 | 0.08 | 8.89 | 163 | 42.65 | 125 | 91 | 64 | 0 | 0 | 1 | 0 |
| | WORCESTER | 70 | 55 | 75 | 52 | 63 | 12 | 0.30 | -0.79 | 0.29 | 10.31 | 159 | 47.58 | 125 | 96 | 66 | 0 | 0 | 2 | 0 |
| MD ME | BALTIMORE CARIBOU | 77 67 | 60 48 | 85 77 | 50 37 | 68 58 | 12 13 | 0.23 0.42 | -0.50 -0.38 | 0.21 0.40 | 6.26 6.32 | 108 123 | 33.17 27.62 | 99 92 | 93 93 | 62 64 | 0 | 0 | 3 | 0 |
| IVIL | PORTLAND | 69 | 52 | 76 | 44 | 60 | 11 | 1.22 | 0.13 | 1.22 | 5.43 | 88 | 30.87 | 86 | 100 | 71 | 0 | 0 | 1 | 1 |
| MI | ALPENA GRAND RAPIDS | 71 69 | 52 56 | 80 80 | 41 45 | 62 63 | 14 11 | 1.12 1.44 | 0.52 0.74 | 0.65 0.77 | 4.41 6.72 | 101 112 | 22.47 29.69 | 97 97 | 96 98 | 64 69 | 0 | 0 | 4 6 | 1 |
| | HOUGHTON LAKE | 67 | 54 | 76 | 40 | 60 | 14 | 0.64 | 0.74 | 0.77 | 4.46 | 100 | 23.41 | 100 | 93 | 65 | 0 | 0 | 5 | 0 |
| | LANSING | 71 | 57 | 81 | 46 | 64 | 13 | 0.76 | 0.20 | 0.30 | 5.97 | 123 | 28.19 | 109 | 90 | 61 | 0 | 0 | 5 | 0 |
| | MUSKEGON TRAVERSE CITY | 70 69 | 58 55 | 79 80 | 47 40 | 64 62 | 12 13 | 0.72 0.40 | 0.05 -0.34 | 0.24 0.21 | 3.55 4.00 | 64 77 | 24.94 24.35 | 96 92 | 89 91 | 62 62 | 0 | 0 | 6 4 | 0 |
| MN | DULUTH | 59 | 47 | 69 | 36 | 53 | 8 | 0.46 | -0.20 | 0.32 | 5.02 | 87 | 20.26 | 76 | 94 | 64 | 0 | 0 | 4 | 0 |
| | INT_L FALLS | 58 64 | 44 48 | 67 71 | 34 38 | 51 56 | 8 6 | 1.53 0.02 | 1.05 -0.55 | 1.19 0.01 | 5.11 1.78 | 122 39 | 15.34 21.35 | 72 80 | 96 87 | 69 47 | 0 | 0 | 5 2 | 1 0 |
| | MINNEAPOLIS ROCHESTER | 64 | 45 | 75 | 35 | 54 | 0 | 0.02 | -0.35 | 0.01 | 2.45 | 52 | 23.17 | 80 | 90 | 47 | 0 | 0 | 1 | 0 |
| | ST. CLOUD | 60 | 43 | 68 | 35 | 51 | 4 | 0.25 | -0.36 | 0.17 | 4.76 | 96 | 20.91 | 85 | 92 | 57 | 0 | 0 | 2 | 0 |
| МО | COLUMBIA KANSAS CITY | 73 71 | 54 49 | 83 82 | 43 40 | 63 60 | 6 3 | 2.20 2.81 | 1.48 2.10 | 0.96 1.54 | 7.67 5.02 | 135 78 | 45.44 36.49 | 128 108 | 91 93 | 55 61 | 0 | 0 | 4 5 | 2 |
| | SAINT LOUIS | 77 | 58 | 88 | 46 | 67 | 7 | 1.37 | 0.61 | 0.81 | 4.88 | 101 | 36.61 | 112 | 84 | 50 | 0 | 0 | 4 | 1 |
| | SPRINGFIELD | 72 | 53 | 84 | 41 | 62 | 4 | 1.06 | 0.31 | 0.65 | 4.41 | 68 | 40.08 | 109 | 95 | 55 | 0 | 0 | 4 | 1 |
| MS | JACKSON MERIDIAN | 86 84 | 64 62 | 90 88 | 47 47 | 75 73 | 9 8 | 0.08 0.07 | -0.80 -0.75 | 0.08 0.07 | 2.37 8.11 | 47 154 | 43.14 62.20 | 101 140 | 92 93 | 49 51 | 1 | 0 | 1 1 | 0 |
| | TUPELO | 85 | 65 | 88 | 49 | 75 | 11 | 0.37 | -0.57 | 0.35 | 4.17 | 74 | 62.02 | 147 | 90 | 48 | 0 | 0 | 2 | 0 |
| MT | BILLINGS BUTTE | 53 47 | 35 29 | 68 66 | 31 28 | 44 38 | -6 -4 | 0.77 0.08 | 0.48 -0.11 | 0.39 0.08 | 1.04 0.33 | 52 22 | 8.31 5.25 | 68 46 | 80 85 | 40 39 | 0 | 4 7 | 3 1 | 0 |
| | CUT BANK | 52 | 25 | 66 | 9 | 38 | -6 | 0.00 | -0.11 | 0.00 | 0.33 | 8 | 4.77 | 46 | 76 | 29 | 0 | 6 | 0 | 0 |
| | GLASGOW | 55 | 33 | 72 | 27 | 44 | -2 | 0.13 | -0.06 | 0.12 | 0.19 | 12 | 4.83 | 45 | 86 | 42 | 0 | 2 | 2 | 0 |
| | GREAT FALLS HAVRE | 53 58 | 32 27 | 72 74 | 20 19 | 43 42 | -4 -3 | 0.00 | -0.21 -0.12 | 0.00 | 0.24 0.09 | 12 6 | 9.93 5.81 | 74 56 | 71 80 | 28 26 | 0 | 4 6 | 0 | 0 |
| | MISSOULA | 53 | 28 | 73 | 17 | 40 | -6 | 0.11 | -0.09 | 0.07 | 0.59 | 36 | 7.94 | 67 | 88 | 40 | 0 | 6 | 2 | 0 |
| NC | ASHEVILLE | 77 | 57 | 80 | 48 | 67 | 10 | 0.00 | -0.64 | 0.00 | 7.29 | 136 | 51.76 | 140 | 98 | 51 | 0 | 0 | 0 | 0 |
| | CHARLOTTE GREENSBORO | 83 78 | 58 59 | 87 83 | 50 50 | 70 68 | 9 8 | 0.00 | -0.80 -0.69 | 0.00 | 3.39 4.90 | 66 84 | 31.53 35.51 | 93 103 | 95 94 | 46 55 | 0 | 0 | 0 | 0 |
| | HATTERAS | 76 | 66 | 80 | 62 | 71 | 5 | 3.39 | 2.22 | 2.60 | 11.39 | 126 | 55.24 | 119 | 98 | 78 | 0 | 0 | 5 | 2 |
| | RALEIGH WILMINGTON | 79 81 | 59 65 | 85 87 | 54 60 | 69 73 | 7 7 | 0.17 0.01 | -0.57 -0.88 | 0.17 0.01 | 8.42 11.07 | 138 108 | 39.32 56.19 | 110 114 | 100 94 | 60 59 | 0 | 0 | 1 1 | 0 |
| ND | BISMARCK | 58 | 39 | 69 | 31 | 49 | 2 | 1.71 | 1.43 | 1.45 | 3.99 | 175 | 10.61 | 65 | 86 | 44 | 0 | 1 | 3 | 1 |
| | DICKINSON | 53 58 | 36 | 66 | 32 33 | 44 | -1 | 1.78 0.91 | 1.48 | 1.62 | 3.14 | 141 | 12.68 | 86 | 86 | 47 | 0 | 1 | 2 | 1 |
| | FARGO GRAND FORKS | 58 | 40 41 | 66 66 | 33 | 49 49 | 2 5 | 1.16 | 0.39 0.69 | 0.85 1.10 | 5.29 4.18 | 139 132 | 14.99 16.00 | 75 86 | 89 90 | 58 60 | 0 | 0 | 2 | 1 |
| | JAMESTOWN | 56 | 39 | 63 | 33 | 48 | 2 | 0.70 | 0.33 | 0.70 | 3.27 | 113 | 10.33 | 60 | 87 | 55 | 0 | 0 | 1 | 1 |
| NE | GRAND ISLAND LINCOLN | 68 70 | 39 42 | 78 81 | 32 34 | 53 56 | 0 2 | 0.85 0.89 | 0.41 0.44 | 0.83 0.85 | 2.33 1.53 | 70 37 | 24.87 22.11 | 103 86 | 86 84 | 28 29 | 0 | 1 | 3 | 1 |
| | NORFOLK | 68 | 40 | 77 | 35 | 54 | 2 | 0.35 | -0.16 | 0.31 | 2.13 | 54 | 22.65 | 92 | 86 | 29 | 0 | 0 | 2 | 0 |
| | NORTH PLATTE OMAHA | 64 70 | 32 46 | 73 79 | 24 38 | 48 58 | -2 4 | 0.28 1.09 | -0.09 0.61 | 0.26 1.09 | 2.50 3.44 | 109 89 | 21.26 28.02 | 114 104 | 92 88 | 34 32 | 0 | 3 | 2 | 0 |
| | SCOTTSBLUFF | 60 | 32 | 79 70 | 38 27 | 46 | -3 | 0.80 | 0.52 | 0.63 | 1.30 | 72 | 8.69 | 61 | 86 | 33 | 0 | 4 | 2 | 1 |
| | VALENTINE | 65 | 35 | 72 | 28 | 50 | 0 | 0.40 | 0.12 | 0.24 | 4.50 | 189 | 20.04 | 108 | 84 | 33 | 0 | 3 | 2 | 0 |
| NH NJ | CONCORD ATLANTIC CITY | 74 74 | 51 59 | 78 82 | 47 53 | 62 67 | 14 10 | 0.44 0.31 | -0.49 -0.46 | 0.43 0.23 | 4.72 4.48 | 86 91 | 33.17 39.62 | 104 120 | 98 99 | 58 68 | 0 | 0 | 2 4 | 0 |
| 140 | NEWARK | 77 | 62 | 84 | 56 | 69 | 12 | 0.58 | -0.40 | 0.25 | 10.57 | 185 | 46.91 | 126 | 86 | 56 | 0 | 0 | 2 | 0 |
| NM | ALBUQUERQUE | 66 53 | 40 21 | 73 68 | 34 16 | 53 37 | -6 -9 | 0.00 | -0.26 -0.10 | 0.00 0.14 | 1.16 0.29 | 68 20 | 5.03 | 62 50 | 53 92 | 17 29 | 0 | 0 7 | 0 1 | 0 |
| NV | ELY LAS VEGAS | 53 73 | 52 52 | 68 78 | 16 49 | 62 | -9 -8 | 0.14 0.00 | -0.10 -0.06 | 0.14 | 0.29 | 41 | 4.91 1.32 | 59 38 | 40 | 15 | 0 | 0 | 0 | 0 |
| | RENO | 62 | 33 | 73 | 31 | 47 | -8 | 0.06 | -0.06 | 0.06 | 0.28 | 42 | 2.02 | 36 | 70 | 21 | 0 | 3 | 1 | 0 |
| NY | WINNEMUCCA ALBANY | 59 73 | 29 53 | 74 77 | 22 50 | 44 63 | -6 12 | 0.07 2.16 | -0.09 1.29 | 0.06 1.26 | 0.66 9.28 | 83 178 | 5.49 36.31 | 87 116 | 76 97 | 25 62 | 0 | 6 | 2 | 0 2 |
| INT | BINGHAMTON | 69 | 53 | 76 | 45 | 61 | 12 | 1.25 | 0.50 | 1.20 | 5.23 | 106 | 39.79 | 128 | 98 | 71 | 0 | 0 | 3 | 1 |
| | BUFFALO | 74 | 60 | 81 | 52 | 67 | 15 | 1.17 | 0.37 | 0.75 | 8.39 | 144 | 28.68 | 93 | 89 | 61 | 0 | 0 | 2 | 1 |
| | ROCHESTER SYRACUSE | 74 77 | 57 57 | 78 79 | 49 52 | 66 67 | 14 16 | 1.47 1.37 | 0.86 0.60 | 0.98 1.09 | 6.05 4.76 | 125 87 | 25.91 34.77 | 95 116 | 95 98 | 62 64 | 0 | 0 | 2 | 1 |
| ОН | AKRON-CANTON | 78 | 60 | 82 | 51 | 69 | 16 | 0.33 | -0.30 | 0.33 | 4.02 | 82 | 32.67 | 102 | 88 | 54 | 0 | 0 | 1 | 0 |
| | CINCINNATI CLEVELAND | 75 76 | 58 60 | 81 82 | 45 50 | 67 68 | 10 13 | 1.34 0.30 | 0.58 -0.39 | 1.27 0.20 | 6.11 4.20 | 141 77 | 41.38 32.99 | 121 107 | 90 87 | 58 55 | 0 | 0 | 3 2 | 1 0 |
| | COLUMBUS | 76 79 | 60 | 82 86 | 50 51 | 69 | 13 13 | 0.30 | -0.39 | 0.20 | 3.06 | 77 | 32.99 | 97 | 92 | 55 50 | 0 | 0 | 2 | 0 |
| | DAYTON | 76 | 58 | 82 | 45 | 67 | 12 | 0.32 | -0.36 | 0.23 | 5.39 | 111 | 31.80 | 96 | 86 | 54 | 0 | 0 | 3 | 0 |
| | MANSFIELD | 76 | 58 | 82 | 49 | 67 | 14 | 0.46 | -0.18 | 0.29 | 2.26 | 46 | 29.86 | 83 | 96 | 55 | 0 | 0 | 2 | 0 |

Based on 1981-2010 normals

Weekly Weather and Crop Bulletin
Weather Data for the Week Ending October 16, 2021

| STATIONS ***STATIONS***** ***PRECIPITATION***** ***PRECIPITATION**** ***PRECIPITATION**** ***PRECIPITATION**** ***PRECIPITATION**** ***PRECIPITATION**** ***PRECIPITATION*** ***PRECIPITATION** ***PRECIPITATION*** ***PRECIPITATION* | | | | | 1100 | | Dai | 101 | or the Week Ending October 16, 2021 | | | | | | | RELATIVE NUMBER | | | | OF D | AYS |
|--|----|----------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|-------------------------------------|--------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------|--------------|---------------------|---------------------|
| STATIONS Section Company Comp | | STATES | 7 | ГЕМБ | PERA | TUR | E ° | F | | | PREC | CIPITA | ATION | l | | HUM | IDITY | | | | |
| VOLKINGSTOWN 76 56 51 48 68 14 0.49 0.43 0.77 0.44 68 50 0.0 0 0 0 0 0 0 0 0 | S | | 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 | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| TULISA 070 56 02 43 060 132 0.007 0.077 0.077 0.077 0.078 0.08 0.079 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | | | | | 1 |
| STORIAN 59 45 56 63 34 52 -1 0.053 -050 -022 580 122 423 1030 94 65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | OK | | | | | | | | | | | | | | | | | | | | 2 |
| EUGENE S. 1.0 1. | OR | | | | | | | | | | | | | | | | | | | | 0 |
| MEDFORD MED | | | | | | - | | | | | | | | | | | | | | | |
| PENDLETON 00 43 63 70 27 50 53 50 40 40 60 60 67 4.83 53 81 33 50 0 0 4 4 6 | | | | | | | | | | | | | | | | | | | | | |
| PARALENTOWN 72 54 56 83 83 52 -2 20 31 -24 -0.17 0.16 4,83 174 19.26 83 89 55 0 0 0 4 9 0 5 8 ALENTOWN 73 54 68 35 86 -2 20 20 31 -0.28 0.05 0.28 5.75 84 53.39 85 55 0 0 0 4 9 0 0 1 2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | | | | | | | | |
| PA ALLENTOWN | | - | | | | | | | | | | | _ | | | | | | | | _ |
| ENE No. Fig. | | | | | | | | | | | | | | | | | | | | | |
| MINOCLETOWN | PA | | | | | | | | | | | | | | | | | | | | |
| PHILADELPHIA 76 61 82 55 68 10 0.0.72 0.55 0.66 7.70 129 38.94 118 93 68 0 0 0 2 2 1 | | | | | | | | | | | | | _ | | | | | | | | _ |
| WILLES-BARRE | | | 76 | | 82 | | 68 | | | | | | | | | 93 | | 0 | 0 | 2 | 0 |
| WILLIAMSPORT | | | | | | | | | | | | | | | | | | | | | |
| RI PROVIDENCE 74 55 78 53 65 10 0.29 0.57 0.28 7.08 119 38.54 105 68 63 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | _ | | | | | | - | | _ |
| COLUMBIA 88 67 72 77 0.00 -0.73 0.00 4.95 94 42.60 115 93 55 0 0 0 0 0 0 0 FLORENCE 83 61 91 55 72 77 0.00 -0.77 0.00 2.57 47 37.86 108 87 49 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | RI | | | | | | | | | | | | | | | | | | | | |
| FLORENCE | SC | | - | | | | | | | | | | | | | | | | | | |
| GREENVILLE 81 57 88 50 00 6 6 0.00 -0.80 0.00 50.0 50.0 50.0 88.19 102 03 49 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | | | - | | |
| HURON RAPHO CITY 66 33 68 27 45 42 2.13 1.77 1.50 2.9 9140 14.76 71 88 43 0 0 1 2 1 1 SIGUX FALLS 65 41 74 34 53 4 0.0 1 0.20 -0.25 0.20 4.13 102 3.55 108 95 6 38 0 0 0 1 0 0 1 CHATTANOOGA 80 61 84 49 70 8 0.50 -0.20 0.28 9.80 170 55.46 135 96 55 0 0 0 2 0 0 0 1 MEMPHIS 82 62 87 48 72 7 1.85 0.08 1.77 1.78 1.78 1.78 1.78 1.78 1.78 1.7 | | | | | | | | | | | | | | | | | | | | | |
| RAPID CITY 566 33 68 27 45 -4 2.13 1.77 1.50 2.99 140 14.51 97 83 44 0 0 5 2 2 2 | SD | | | | | | | | | | | | | | | | | | | | |
| SIGUX FALLS 65 41 74 34 53 44 67 10 0.20 -0.25 0.20 1.1 30 0.30 8.66 89 23.31 99 86 38 0 0 0 1 1 0 1 N BRISTOLL 79 55 85 34 44 67 10 0.20 -0.25 0.20 1.1 31 002 3.55 106 95 51 00 95 67 0 0 0 2 0 0 1 0 0 0.25 0.25 0.25 0.25 0.25 0.25 0.25 | | | | | | | | | | | | | | | | | | | | | |
| TN BRISTOL PRISTOL | | | | | | | | | | | | | | | | | | | | | |
| KNOXVILLE | TN | | | | | - | | | | - | | | | | | | | | | | |
| MEMPHIS 82 62 87 48 72 7 1.85 0.98 1.79 4.99 1.00 43.87 108 92 53 0 0 3 1 | | | | | | | | | | | | | | | | | | | | | |
| NASHVILLE | | | | | | | | | | | | | | | | | | | | | |
| AMARILLO 74 42 86 35 58 -1 0.06 -0.33 0.03 1.29 45 14, 86 79 81 21 0 0 0 2 2 0 0 5 2 8 1 BEAUMONT 86 68 91 51 77 6 6 2.46 122 2.11 13.85 157 69.75 124 98 62 11 0 2 1 0 2 1 1 BEAUMONT 86 68 91 51 77 6 6 2.46 122 2.11 13.85 157 69.75 124 98 62 11 0 2 2 1 1 CORPUS CHRISTI 86 74 91 58 80 5 5 2.31 1.49 2.28 11.98 174 42.01 160 95 67 11 0 3 1 1 DEL RIO 96 69 99 58 80 7 7 0.02 -0.55 0.01 0.33 79 79 34 4 0 2 0 0 2 1 DEL RIO 96 69 99 58 80 7 7 0.02 -0.55 0.01 0.33 79 79 34 4 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | | | | | |
| AUSTIN 86 68 92 54 75 3 3 3.54 2.61 2.44 6.29 149 30.49 117 88 49 22 0 5 5 2 6 BEAUMONT 86 68 91 51 77 6 2.46 1.22 2.11 13.85 157 59.75 124 98 62 1 0 0 2 1 BROWNSVILLE 91 778 93 63 84 77 1.04 0.17 1.02 13.70 168 31.43 137 89 59 66 0 2 1 1 0 3 1 DEL RIO 90 69 99 58 80 57 2 31 1.49 2.88 11.98 11.44 42.01 160 95 67 1 0 3 1 DEL RIO 90 69 99 58 80 77 0.02 -0.55 0.01 0.33 9 13.33 79 79 34 4 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | TX | | | | | | | | - | | | | | | | | | | | | |
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| LUBBOCK 79 45 88 35 62 -1 0.04 -0.45 0.04 1.20 33 19.54 117 73 17 0 0 0 1 0 0 MIDLAND 82 49 92 39 65 -1 0.00 -0.45 0.00 0.16 5 13.59 107 73 15 2 0 0 0 0 0 SAN ANGELO 83 54 95 40 69 2 1.01 0.35 1.01 2.50 64 21.41 118 91 34 1 0 0 1 1 1 SAN ANTONIO 85 65 91 52 75 3 5.35 4.33 2.84 8.07 156 30.49 116 92 50 1 0 5 4 WACO 85 60 94 46 73 3 2.85 1.89 2.01 3.89 77 26.78 98 93 49 1 0 5 4 WACO 85 60 94 46 73 3 2.85 1.89 2.01 3.89 77 26.78 98 93 49 1 0 0 4 1 1 UT SALT LAKE CITY 54 37 62 33 45 -9 0.45 0.10 0.23 1.36 68 10.61 84 87 38 0 0 0 3 0 WASHIDULES 76 63 85 60 69 6 0.58 -0.19 0.30 3.00 45 32.46 84 100 69 0 0 0 4 0 WASHIDULES 76 63 85 36 80 9 0.15 -0.50 0.06 8.25 145 42.09 118 99 65 0 0 0 1 0 0 0 0 WASHIDULES 76 58 83 35 60 67 10 0.49 -0.23 0.46 511 91 23.88 101 92 55 0 0 1 1 0 0 2 0 WASHIDULES 76 58 83 35 60 67 10 0.49 -0.23 0.46 511 91 23.88 101 92 55 0 0 1 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | - | | | | | | | | | | | | | | | | - | | |
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| UT SALT LAKE CITY 54 37 62 33 45 -9 0.45 0.10 0.23 1.36 68 10.61 84 87 38 0 0 0 3 0 0 VA LYNCHBURG 79 56 88 47 68 11 0.03 -0.65 0.03 2.79 51 28.50 85 93 51 0 0 1 0 0 0 0 0 1 0 0 | | | | | | | | | | | | | | | | | | | | | |
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| WASH/DULLES | 1 | RICHMOND | 78 | 61 | 84 | 53 | 69 | 9 | 0.15 | -0.50 | 0.06 | 8.25 | 145 | 42.09 | 118 | 99 | 65 | 0 | 0 | 3 | 0 |
| VT BURLINGTON 73 56 77 51 64 15 1.22 0.39 1.18 5.00 90 25.41 86 92 61 0 0 0 2 1 1 WA OLYMPIA 57 41 65 29 49 -2 0.44 -0.48 0.20 4.00 113 32.09 103 96 60 0 1 6 0 0 1 6 0 0 0 0 0 0 0 0 0 0 0 | 1 | | | | | | | | | | | | | | | | | | | | 0 |
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| SEATTLE-TACOMA 56 45 67 37 51 -3 0.76 0.07 0.48 4.14 143 23.95 102 94 61 0 0 6 0 SPOKANE 54 36 68 31 45 -4 0.06 -0.18 0.06 1.27 111 6.17 54 83 36 0 3 1 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | | 0 | | | 0 |
| SPOKANE YAKIMA 62 35 68 26 49 -2 0.00 -0.11 0.00 0.24 37 2.98 53 95 35 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | | | | | | | | |
| YAKIMA 62 35 68 26 49 -2 0.00 -0.11 0.00 0.24 37 2.98 53 95 35 0 2 0 0 WI EAU CLAIRE 64 47 80 37 56 7 0.01 -0.52 0.01 2.93 58 20.55 75 91 50 0 0 1 0 LA CROSSE 67 52 81 41 60 8 0.30 -0.17 0.16 2.00 42 32.04 111 85 47 0 0 2 0 MADISON 65 52 73 40 59 9 0.69 0.17 0.45 3.58 82 19.93 68 93 60 0 0 4 2 32.04 111 85 47 0 0 2 0 MILWAUKEE 69 57 76 46 63 | | | | | | | | | | | | | | | | | | | | | |
| GREEN BAY LA CROSSE 67 52 81 41 60 8 0.30 -0.17 0.16 2.00 42 32.04 111 85 47 0 0 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 | - | | | | | | | | | | | | | | | | | | | 0 |
| LA CROSSE 67 52 81 41 60 8 0.30 -0.17 0.16 2.00 42 32.04 111 85 47 0 0 0 2 0 MADISON 65 52 73 40 59 9 0.69 0.17 0.45 3.58 82 19.93 68 93 60 0 0 0 4 0 MILWAUKEE 69 57 76 46 63 11 0.33 -0.25 0.22 2.64 58 14.18 49 87 58 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | WI | | | | | | | | | | | | | | | | | | | | _ |
| MADISON 65 52 73 40 59 9 0.69 0.17 0.45 3.58 82 19.93 68 93 60 0 0 4 0 MILWAUKEE 69 57 76 46 63 11 0.33 -0.25 0.22 2.64 58 14.18 49 87 58 0 0 4 0 WV BECKLEY 73 55 79 46 64 10 0.35 -0.20 0.35 3.07 71 32.92 97 100 66 0 0 1 0 CHARLESTON 80 57 84 51 69 11 0.78 0.22 0.78 4.46 97 32.07 90 100 55 0 0 1 1 ELKINS 77 50 81 48 64 12 0.35 -0.28 0.35 6.63 130 32.54 | 1 | | | | | | | | | | | | | | | | | | - | | 0 |
| MILWAUKEE 69 57 76 46 63 11 0.33 -0.25 0.22 2.64 58 14.18 49 87 58 0 0 4 0 0 4 0 0 0.35 0.25 0.22 0.35 0.25 0.22 2.64 58 14.18 49 87 58 0 0 0 4 0 0 0 1 0 0.35 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.2 | 1 | | | | | | | | | | | | | | | | | | | | 0 |
| CHARLESTON 80 57 84 51 69 11 0.78 0.22 0.78 4.46 97 32.07 90 100 55 0 0 1 1 1 ELKINS 77 50 81 48 64 12 0.35 -0.28 0.35 6.63 130 32.54 86 94 52 0 0 1 0 1 0 HUNTINGTON 79 59 82 49 69 12 0.39 -0.22 0.39 3.59 86 41.57 121 95 53 0 0 1 0 0 1 0 WY CASPER 50 31 62 27 40 -6 1.05 0.79 0.57 1.94 114 12.16 112 83 43 0 5 3 1 CHEYENNE 54 32 66 26 43 -4 0.16 -0.07 0.13 0.37 18 9.69 66 77 34 0 4 2 0 LANDER 48 25 64 16 37 -10 1.16 0.85 0.96 1.84 103 12.13 112 89 49 0 6 2 1 | 1 | | 69 | 57 | 76 | | 63 | 11 | 0.33 | -0.25 | 0.22 | 2.64 | 58 | 14.18 | 49 | 87 | | 0 | 0 | | 0 |
| ELKINS 77 50 81 48 64 12 0.35 -0.28 0.35 6.63 130 32.54 86 94 52 0 0 1 1 0 HUNTINGTON 79 59 82 49 69 12 0.39 -0.22 0.39 3.59 86 41.57 121 95 53 0 0 1 1 0 WY CASPER 50 31 62 27 40 -6 1.05 0.79 0.57 1.94 114 12.16 112 83 43 0 5 3 1 CHEYENNE 54 32 66 26 43 -4 0.16 -0.07 0.13 0.37 18 9.69 66 77 34 0 4 2 0 LANDER 48 25 64 16 37 -10 1.16 0.85 0.96 1.84 103 12.13 112 89 49 0 6 2 1 | WV | | | | | | | | | | | | | | | | | | | | 0 |
| HUNTINGTON 79 59 82 49 69 12 0.39 -0.22 0.39 3.59 86 41.57 121 95 53 0 0 1 1 0 WY CASPER 50 31 62 27 40 -6 1.05 0.79 0.57 1.94 114 12.16 112 83 43 0 5 3 1 CHEYENNE 54 32 66 26 43 -4 0.16 -0.07 0.13 0.37 18 9.69 66 77 34 0 4 2 0 LANDER 48 25 64 16 37 -10 1.16 0.85 0.96 1.84 103 12.13 112 89 49 0 6 2 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| CHEYENNE 54 32 66 26 43 -4 0.16 -0.07 0.13 0.37 18 9.69 66 77 34 0 4 2 0 LANDER 48 25 64 16 37 -10 1.16 0.85 0.96 1.84 103 12.13 112 89 49 0 6 2 1 | 1 | | | | | | - | | | | | | | | | | | | | | _ |
| LANDER 48 25 64 16 37 -10 1.16 0.85 0.96 1.84 103 12.13 112 89 49 0 6 2 1 | WY | CASPER | | 31 | 62 | | | -6 | 1.05 | | | 1.94 | | 12.16 | 112 | | 43 | | | | |
| | | | | | | | | | | | | | | | | | | | | | 0 |
| ы эмежили то | | SHERIDAN | 51 | 31 | 68 | 28 | 41 | -6 | 1.42 | 1.05 | 0.96 | 2.07 | 90 | 10.89 | 88 | 85 | 49 | 0 | 5 | 3 | 2 |

Based on 1981-2010 normals

*** Not Available

National Agricultural Summary

October 11 - 17, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

More than twice the normal weekly amount of precipitation was recorded in large parts of the Great Plains, Midwest, and Rockies. Some locations in Arkansas, Kansas, Oklahoma, and Texas received weekly precipitation totaling 3 inches or more. Meanwhile, most of the eastern half of the nation was warmer than

normal. Much of the Great Lakes, mid Atlantic, and Northeast recorded temperatures 9°F or more above normal. In contrast, most of the western half of the nation was cooler than normal. Parts of the Rockies and Southwest recorded temperatures 9°F or more below normal for the week.

Corn: Ninety-seven percent of the nation's corn acreage was mature by October 17, equal to last year but 4 percentage points ahead of the 5-year average. Fifty-two percent of the 2021 corn acreage was harvested by week's end, 5 percentage points behind last year but 11 points ahead of the average harvest pace. Harvest progress advanced 15 percentage points or more during the week in Minnesota and South Dakota. On October 17, sixty percent of the nation's corn acreage was rated in good to excellent condition, unchanged from the previous week but 1 percentage point below the same time last year.

Soybean: Nationally, leaf drop was 95 percent complete by October 17, one percentage point behind last year but equal to the 5-year average. Leaf dropping was complete or nearing completion in 14 of the 18 estimating states. Soybean harvest across the nation was 60 percent complete by week's end, 13 percentage points behind last year but 5 points ahead of average. Harvest progress advanced 15 percentage points or more during the week in Nebraska, Ohio, and South Dakota.

Winter Wheat: Nationwide, producers had sown 70 percent of the intended 2022 winter wheat acreage by October 17, six percentage points behind last year and 1 point behind the 5-year average. Planting progress advanced by 15 percentage points or more during the week in Illinois, Indiana, Missouri, Ohio, and Oregon. Nationwide, 44 percent of the winter wheat acreage had emerged by October 17, six percentage points behind last year and 3 points behind average. During the week, winter wheat emergence advanced by 15 percentage points or more in Illinois, Kansas, Michigan, Nebraska, and Ohio.

Cotton: By October 17, eighty-six percent of the nation's cotton had open bolls, 7 percentage points behind last year and 2 points behind the 5-year average. By October 17, twenty-eight percent of the nation's cotton acreage was harvested, 5 percentage points behind last year and 6 points behind average. Cotton harvest advanced 15 percentage

points or more during the week in California, Louisiana, and Missouri. On October 17, sixty-four percent of the 2021 cotton acreage was rated in good to excellent condition, unchanged from the previous week but 24 percentage points above the same time last year.

Sorghum: By October 17, ninety-three percent of the nation's sorghum acreage was mature, 1 percentage point behind last year but 5 points ahead of the 5-year average. Fifty-nine percent of the 2021 sorghum acreage had been harvested by October 17, two percentage points behind last year but 9 points ahead of average. Ninety-two percent of Texas' sorghum acreage was harvested by October 17, equal to last year but 9 percentage points ahead of average.

Rice: Nationally, 92 percent of the rice acreage was harvested by October 17, two percentage points ahead of last year and 1 point ahead of the 5-year average. California showed a harvest increase of 30 percentage points from the previous week.

Other Crops: Thirty-eight percent of the nation's peanut acreage was harvested as of October 17, one percentage point behind last year and 14 points behind the 5-year average. On October 17, seventy-one percent of the nation's peanut acreage was rated in good to excellent condition, 1 percentage point above the previous week and 4 points above the same time last year.

By October 17, sugarbeet producers had harvested 40 percent of the nation's crop, 41 percentage points behind last year and 21 points behind the 5-year average. Sugarbeets harvested in Minnesota showed an increase from the previous week of 21 percentage points.

By October 17, twenty-nine percent of this year's sunflower crop was harvested, 6 percentage points behind last year but 8 points ahead of the 5-year average. Harvest progress advanced 10 percentage points or more during the week in three of the four estimating states.

Week Ending October 17, 2021

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

| Corn Percent Mature | | | | | | | | |
|--|------|------|--------|------|--|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | | |
| | Year | Week | 2021 | Avg | | | | |
| СО | 95 | 85 | 91 | 88 | | | | |
| IL | 98 | 96 | 98 | 95 | | | | |
| IN | 94 | 94 | 97 | 93 | | | | |
| IA | 99 | 95 | 97 | 94 | | | | |
| KS | 98 | 98 | 99 | 97 | | | | |
| KY | 99 | 95 | 99 | 98 | | | | |
| MI | 90 | 89 | 93 | 82 | | | | |
| MN | 99 | 97 | 99 | 93 | | | | |
| MO | 97 | 98 | 99 | 98 | | | | |
| NE | 98 | 93 | 95 | 95 | | | | |
| NC | 100 | 100 | 100 | 100 | | | | |
| ND | 96 | 93 | 97 | 85 | | | | |
| ОН | 85 | 87 | 95 | 85 | | | | |
| PA | 94 | 79 | 89 | 90 | | | | |
| SD | 98 | 94 | 96 | 89 | | | | |
| TN | 100 | 99 | 100 | 100 | | | | |
| TX | 97 | 99 | 100 | 95 | | | | |
| WI | 95 | 91 | 96 | 83 | | | | |
| 18 Sts 97 94 97 93 | | | | | | | | |
| These 18 States planted 92% of last year's corn acreage. | | | | | | | | |

| Soybeans Percent Dropping | | | | | | | | | |
|-----------------------------|---------|--------|--------|------|--|--|--|--|--|
| | Lea | ves | | | | | | | |
| | Prev | Prev | Oct 17 | 5-Yr | | | | | |
| | Year | Week | 2021 | Avg | | | | | |
| AR | 93 | 87 | 92 | 94 | | | | | |
| IL | 98 | 87 | 92 | 95 | | | | | |
| IN | 99 | 94 | 97 | 96 | | | | | |
| IA | 99 | 96 | 98 | 96 | | | | | |
| KS | 94 | 84 | 90 | 91 | | | | | |
| KY | 83 | 71 | 80 | 83 | | | | | |
| LA | 100 | 89 | 95 | 100 | | | | | |
| МІ | 99 | 96 | 100 | 94 | | | | | |
| MN | 99 | 98 | 99 | 99 | | | | | |
| MS | 97 | 85 | 90 | 96 | | | | | |
| МО | 90 | 78 | 88 | 86 | | | | | |
| NE | 100 | 97 | 100 | 98 | | | | | |
| NC | 74 | 77 | 86 | 80 | | | | | |
| ND | 100 | 100 | 100 | 100 | | | | | |
| ОН | 96 | 90 | 95 | 94 | | | | | |
| SD | 100 | 100 | 100 | 98 | | | | | |
| TN | 88 | 77 | 87 | 92 | | | | | |
| WI 98 97 98 94 | | | | | | | | | |
| 18 Sts | 96 | 91 | 95 | 95 | | | | | |
| These 18 States planted 96% | | | | | | | | | |
| of last year's | soybear | acreag | е. | | | | | | |

| Corn Percent Harvested | | | | | | | | |
|------------------------------|-------------------------------|------|--------|------|--|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | | |
| | Year | Week | 2021 | Avg | | | | |
| СО | 51 | 34 | 45 | 33 | | | | |
| IL | 63 | 55 | 62 | 59 | | | | |
| IN | 46 | 36 | 45 | 45 | | | | |
| IA | 62 | 30 | 43 | 29 | | | | |
| KS | 74 | 66 | 75 | 66 | | | | |
| KY | 79 | 61 | 69 | 82 | | | | |
| MI | 23 | 24 | 32 | 20 | | | | |
| MN | 59 | 36 | 53 | 27 | | | | |
| МО | 62 | 64 | 74 | 67 | | | | |
| NE | 55 | 29 | 41 | 33 | | | | |
| NC | 93 | 91 | 93 | 93 | | | | |
| ND | 51 | 29 | 42 | 21 | | | | |
| ОН | 23 | 19 | 25 | 29 | | | | |
| PA | 32 | 14 | 23 | 36 | | | | |
| SD | 60 | 33 | 51 | 27 | | | | |
| TN | 82 | 67 | 78 | 91 | | | | |
| TX | 84 | 88 | 90 | 81 | | | | |
| WI | 25 | 24 | 32 | 18 | | | | |
| 18 Sts | 57 | 41 | 52 | 41 | | | | |
| These 18 Sta | These 18 States harvested 94% | | | | | | | |
| of last year's corn acreage. | | | | | | | | |

| Soybeans Percent Harvested | | | | | | | | | | |
|---------------------------------|---------------|------|--------|------|--|--|--|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | | | | |
| | Year | Week | 2021 | Avg | | | | | | |
| AR | 48 | 45 | 56 | 61 | | | | | | |
| IL | 77 | 43 | 51 | 62 | | | | | | |
| IN | 69 | 38 | 49 | 57 | | | | | | |
| IA | IA 88 56 70 5 | | | | | | | | | |
| KS | 61 | 27 | 41 | 35 | | | | | | |
| KY | 41 | 30 | 36 | 43 | | | | | | |
| LA | 93 | 73 | 82 | 92 | | | | | | |
| MI | 61 | 36 | 39 | 44 | | | | | | |
| MN | 95 | 83 | 91 | 64 | | | | | | |
| MS | 71 | 54 | 65 | 79 | | | | | | |
| МО | 37 | 22 | 30 | 32 | | | | | | |
| NE | 91 | 60 | 76 | 58 | | | | | | |
| NC | 17 | 16 | 19 | 22 | | | | | | |
| ND | 91 | 73 | 81 | 63 | | | | | | |
| ОН | 63 | 33 | 54 | 57 | | | | | | |
| SD | 89 | 69 | 86 | 57 | | | | | | |
| TN | 40 | 22 | 31 | 50 | | | | | | |
| WI | 68 | 47 | 59 | 44 | | | | | | |
| 18 Sts | 73 | 49 | 60 | 55 | | | | | | |
| These 18 States harvested 96% | | | | | | | | | | |
| of last year's soybean acreage. | | | | | | | | | | |

| | Corn Condition by | | | | | | | | |
|---------|-------------------|------|-----|----|----|--|--|--|--|
| | | Perc | ent | | | | | | |
| | VP | Р | F | G | EX | | | | |
| СО | 7 | 19 | 18 | 43 | 13 | | | | |
| IL | 2 | 5 | 23 | 50 | 20 | | | | |
| IN | 3 | 6 | 22 | 53 | 16 | | | | |
| IA | 2 | 7 | 28 | 51 | 12 | | | | |
| KS | 8 | 13 | 25 | 45 | 9 | | | | |
| KY | 1 | 3 | 16 | 65 | 15 | | | | |
| MI | 2 | 6 | 22 | 50 | 20 | | | | |
| MN | 8 | 17 | 38 | 31 | 6 | | | | |
| МО | 2 | 7 | 26 | 54 | 11 | | | | |
| NE | 5 | 7 | 19 | 40 | 29 | | | | |
| NC | 1 | 2 | 16 | 62 | 19 | | | | |
| ND | 15 | 31 | 39 | 14 | 1 | | | | |
| ОН | 1 | 5 | 20 | 56 | 18 | | | | |
| PA | 0 | 0 | 9 | 67 | 24 | | | | |
| SD | 13 | 29 | 37 | 20 | 1 | | | | |
| TN | 0 | 2 | 16 | 59 | 23 | | | | |
| TX | 1 | 9 | 29 | 44 | 17 | | | | |
| WI | 2 | 5 | 25 | 46 | 22 | | | | |
| 18 Sts | 4 | 10 | 26 | 45 | 15 | | | | |
| Prev Wk | 5 | 10 | 25 | 45 | 15 | | | | |
| Prev Yr | 5 | 9 | 25 | 46 | 15 | | | | |

| , | Sorghum Pe | rcent | Mature | | | | | | | |
|-----------------------------|---------------------------------|-------|--------|------|--|--|--|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | | | | |
| | Year | Week | 2021 | Avg | | | | | | |
| СО | 91 | 84 | 95 | 83 | | | | | | |
| KS | 94 | 81 | 88 | 85 | | | | | | |
| NE | 98 | 90 | 94 | 95 | | | | | | |
| ок | 86 | 89 | 92 | 86 | | | | | | |
| SD | 100 | 96 | 98 | 83 | | | | | | |
| TX | 97 | 98 | 100 | 93 | | | | | | |
| 6 Sts | 6 Sts 94 88 93 88 | | | | | | | | | |
| These 6 States planted 100% | | | | | | | | | | |
| of last | of last year's sorghum acreage. | | | | | | | | | |
| | | | | | | | | | | |

| Sorghui | Sorghum Percent Harvested | | | | | | | | | |
|-------------------------------|---------------------------|------|--------|------|--|--|--|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | | | | |
| | Year | Week | 2021 | Avg | | | | | | |
| CO 40 35 42 29 | | | | | | | | | | |
| KS | 46 | 32 | 44 | 30 | | | | | | |
| NE | 56 | 38 | 58 | 38 | | | | | | |
| ок | 46 | 34 | 48 | 47 | | | | | | |
| SD | 80 | 55 | 72 | 39 | | | | | | |
| TX | 92 | 88 | 92 | 83 | | | | | | |
| 6 Sts | 61 | 49 | 59 | 50 | | | | | | |
| These 6 States harvested 100% | | | | | | | | | | |

of last year's sorghum acreage.

Week Ending October 17, 2021

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

| Cotton Percent Bolls Opening | | | | | | | | | |
|------------------------------|--------------------------------|------|--------|------|--|--|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | | | |
| | Year | Week | 2021 | Avg | | | | | |
| AL | 91 | 73 | 84 | 92 | | | | | |
| AZ | 100 | 100 | 100 | 100 | | | | | |
| AR | 100 | 99 | 100 | 100 | | | | | |
| CA | 89 | 92 | 95 | 87 | | | | | |
| GA | 90 | 82 | 87 | 94 | | | | | |
| KS | 87 | 83 | 90 | 81 | | | | | |
| LA | 100 | 100 | 100 | 100 | | | | | |
| MS | 98 | 89 | 93 | 98 | | | | | |
| МО | 100 | 87 | 96 | 98 | | | | | |
| NC | 91 | 90 | 93 | 94 | | | | | |
| ок | 90 | 85 | 90 | 89 | | | | | |
| sc | 91 | 83 | 90 | 92 | | | | | |
| TN | 94 | 75 | 85 | 97 | | | | | |
| TX | 92 | 72 | 83 | 84 | | | | | |
| VA | 96 | 92 | 97 | 97 | | | | | |
| 15 Sts | 15 Sts 93 78 86 88 | | | | | | | | |
| These 15 States planted 99% | | | | | | | | | |
| of last year's | of last year's cotton acreage. | | | | | | | | |

| Peanuts Percent Harvested | | | | | | | | |
|------------------------------|--------------------------------|------|--------|------|--|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | | |
| | Year | Week | 2021 | Avg | | | | |
| AL | 41 | 29 | 39 | 61 | | | | |
| FL | 65 | 47 | 53 | 74 | | | | |
| GA | 40 | 26 | 37 | 56 | | | | |
| NC | 26 | 27 | 40 | 39 | | | | |
| ок | 30 | 12 | 18 | 29 | | | | |
| sc | 39 | 25 | 36 | 44 | | | | |
| TX | 23 | 19 | 24 | 22 | | | | |
| VA | 24 | 48 | 55 | 52 | | | | |
| 8 Sts 39 28 38 52 | | | | | | | | |
| These 8 States harvested 96% | | | | | | | | |
| of last year's | of last year's peanut acreage. | | | | | | | |

| Rice Percent Harvested | | | | | | | |
|-------------------------------|-----------------------|------|------|-----|--|--|--|
| | Prev Prev Oct 17 5-Yr | | | | | | |
| | Year | Week | 2021 | Avg | | | |
| AR | 88 | 81 | 89 | 94 | | | |
| CA | 86 | 65 | 95 | 73 | | | |
| LA | 99 | 98 | 100 | 100 | | | |
| MS | 91 | 84 | 91 | 94 | | | |
| МО | 80 | 68 | 76 | 89 | | | |
| TX | 100 | 100 | 100 | 100 | | | |
| 6 Sts 90 81 92 91 | | | | | | | |
| These 6 States harvested 100% | | | | | | | |
| of last year's rice acreage. | | | | | | | |

| Cotton Percent Harvested | | | | | | | |
|-------------------------------|----------|---------|--------|------|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | |
| | Year | Week | 2021 | Avg | | | |
| AL | 19 | 10 | 17 | 37 | | | |
| AZ | 26 | 28 | 31 | 27 | | | |
| AR | 45 | 20 | 34 | 61 | | | |
| CA | 19 | 15 | 35 | 22 | | | |
| GA | 18 | 8 | 15 | 30 | | | |
| KS | 5 | 2 | 3 | 5 | | | |
| LA | 71 | 36 | 54 | 77 | | | |
| MS | 44 | 21 | 32 | 57 | | | |
| МО | 24 | 10 | 32 | 47 | | | |
| NC | 13 | 11 | 18 | 21 | | | |
| ок | 15 | 7 | 14 | 16 | | | |
| sc | 5 | 6 | 8 | 24 | | | |
| TN | 30 | 2 | 15 | 44 | | | |
| TX | 41 | 29 | 35 | 31 | | | |
| VA | 13 | 10 | 18 | 23 | | | |
| 15 Sts 33 20 28 34 | | | | | | | |
| These 15 States harvested 99% | | | | | | | |
| of last year's | cotton a | creage. | | | | | |

| Peanut Condition by | | | | | | |
|---------------------|----|---|----|----|----|--|
| Percent | | | | | | |
| | VP | Р | F | G | EX | |
| AL | 0 | 6 | 16 | 63 | 15 | |
| FL | 3 | 4 | 30 | 59 | 4 | |
| GA | 0 | 4 | 32 | 54 | 10 | |
| NC | 0 | 0 | 17 | 79 | 4 | |
| OK | 0 | 0 | 9 | 91 | 0 | |
| sc | 0 | 0 | 10 | 75 | 15 | |
| TX | 0 | 1 | 23 | 58 | 18 | |
| VA | 0 | 0 | 15 | 77 | 8 | |
| 8 Sts | 0 | 3 | 26 | 60 | 11 | |
| Prev Wk | 1 | 4 | 25 | 57 | 13 | |
| Prev Yr | 1 | 7 | 25 | 55 | 12 | |

| Cotton Condition by | | | | | | | | | |
|---------------------|----|-------------|----|----|----|--|--|--|--|
| Percent | | | | | | | | | |
| | VP | VP P F G EX | | | | | | | |
| AL | 0 | 4 | 15 | 77 | 4 | | | | |
| AZ | 7 | 12 | 16 | 39 | 26 | | | | |
| AR | 1 | 3 | 8 | 43 | 45 | | | | |
| CA | 0 | 0 | 10 | 90 | 0 | | | | |
| GA | 1 | 7 | 33 | 51 | 8 | | | | |
| KS | 1 | 3 | 45 | 47 | 4 | | | | |
| LA | 0 | 4 | 45 | 45 | 6 | | | | |
| MS | 5 | 7 | 27 | 48 | 13 | | | | |
| МО | 0 | 7 | 26 | 67 | 0 | | | | |
| NC | 0 | 8 | 22 | 59 | 11 | | | | |
| ОК | 1 | 3 | 25 | 70 | 1 | | | | |
| SC | 0 | 0 | 13 | 65 | 22 | | | | |
| TN | 1 | 10 | 20 | 63 | 6 | | | | |
| TX | 1 | 2 | 36 | 50 | 11 | | | | |
| VA | 0 | 3 | 28 | 66 | 3 | | | | |
| 15 Sts | 1 | 4 | 31 | 53 | 11 | | | | |
| Prev Wk | 1 | 5 | 30 | 54 | 10 | | | | |
| Prev Yr | 10 | 23 | 27 | 31 | 9 | | | | |

| Sugarbeets Percent Harvested | | | | | | |
|-----------------------------------|------|------|--------|------|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | |
| | Year | Week | 2021 | Avg | | |
| ID | 55 | 42 | 50 | 47 | | |
| МІ | 46 | 42 | 44 | 34 | | |
| MN | 96 | 17 | 38 | 69 | | |
| ND | 96 | 19 | 31 | 74 | | |
| 4 Sts | 81 | 26 | 40 | 61 | | |
| These 4 States harvested 85% | | | | | | |
| of last year's sugarbeet acreage. | | | | | | |

| Sunflowers Percent Harvested | | | | | | | |
|------------------------------|------|------|--------|------|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | |
| | Year | Week | 2021 | Avg | | | |
| co | 64 | 19 | 30 | 29 | | | |
| KS | 36 | 27 | 40 | 23 | | | |
| ND | 41 | 14 | 20 | 22 | | | |
| SD | 25 | 23 | 35 | 19 | | | |
| 4 Sts | 35 | 19 | 29 | 21 | | | |
| These 4 States harvested 87% | | | | | | | |

These 4 States harvested 87% of last year's sunflower acreage.

Week Ending October 17, 2021

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

| Winter Wheat Percent Planted | | | | | | | |
|------------------------------|-----------------------------|----------|--------|------|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | |
| | Year | Week | 2021 | Avg | | | |
| AR | 32 | 22 | 34 | 33 | | | |
| CA | 19 | 10 | 15 | 18 | | | |
| со | 97 | 88 | 92 | 93 | | | |
| ID | 89 | 89 | 96 | 86 | | | |
| IL | 69 | 21 | 51 | 54 | | | |
| IN | 66 | 33 | 48 | 56 | | | |
| KS | 83 | 63 | 75 | 68 | | | |
| МІ | 79 | 44 | 53 | 65 | | | |
| МО | 40 | 20 | 35 | 33 | | | |
| MT | 75 | 66 | 78 | 79 | | | |
| NE | 93 | 88 | 93 | 94 | | | |
| NC | 14 | 9 | 14 | 11 | | | |
| ОН | 81 | 42 | 59 | 69 | | | |
| ок | 73 | 50 | 57 | 72 | | | |
| OR | 60 | 41 | 57 | 69 | | | |
| SD | 96 | 90 | 95 | 92 | | | |
| TX | 63 | 54 | 64 | 64 | | | |
| WA | 87 | 88 | 93 | 86 | | | |
| 18 Sts 76 60 70 71 | | | | | | | |
| These 18 State | These 18 States planted 90% | | | | | | |
| of last year's w | inter w | heat acr | eage. | | | | |

| Winter Wheat Percent Emerged | | | | | | | |
|------------------------------|------------|----------|--------|------|--|--|--|
| | Prev | Prev | Oct 17 | 5-Yr | | | |
| | Year | Week | 2021 | Avg | | | |
| AR | 16 | 5 | 12 | 18 | | | |
| CA | 4 | 1 | 2 | 3 | | | |
| СО | 66 | 47 | 58 | 67 | | | |
| ID | 49 | 45 | 58 | 54 | | | |
| IL | 24 | 7 | 34 | 21 | | | |
| IN | 22 | 12 | 22 | 24 | | | |
| KS | 59 | 31 | 47 | 46 | | | |
| МІ | 43 | 24 | 41 | 38 | | | |
| МО | 16 | 7 | 15 | 16 | | | |
| MT | 55 | 36 | 50 | 55 | | | |
| NE | 70 | 60 | 76 | 77 | | | |
| NC | 4 | 1 | 4 | 3 | | | |
| ОН | 34 | 9 | 29 | 36 | | | |
| OK | 46 | 25 | 37 | 51 | | | |
| OR | 20 | 15 | 20 | 30 | | | |
| SD | 68 | 42 | 51 | 69 | | | |
| TX | 39 | 30 | 39 | 39 | | | |
| WA | 64 | 50 | 58 | 60 | | | |
| 18 Sts 50 31 44 47 | | | | | | | |
| These 18 Sta | tes plante | ed 90% | | | | | |
| of last year's | winter w | heat acr | eage. | | | | |

| | Pasture and Range Condition by Percent | | | | | | | | | | |
|----|--|----|----|----|----|---------|----|----|----|----|----|
| | Week Ending Oct 17, 2021 | | | | | | | | | | |
| | VP | Р | F | G | EX | | VP | Р | F | G | EX |
| AL | 2 | 3 | 18 | 68 | 9 | NH | 0 | 27 | 54 | 19 | 0 |
| ΑZ | 1 | 4 | 34 | 45 | 16 | ИJ | 0 | 0 | 10 | 89 | 1 |
| AR | 4 | 16 | 50 | 27 | 3 | NM | 12 | 15 | 46 | 19 | 8 |
| CA | 40 | 30 | 15 | 15 | 0 | NY | 1 | 6 | 10 | 60 | 23 |
| СО | 23 | 25 | 23 | 16 | 13 | NC | 0 | 5 | 47 | 47 | 1 |
| СТ | 0 | 0 | 0 | 50 | 50 | ND | 53 | 27 | 16 | 4 | 0 |
| DE | 1 | 13 | 47 | 34 | 5 | ОН | 1 | 4 | 28 | 60 | 7 |
| FL | 2 | 2 | 32 | 39 | 25 | ОК | 8 | 17 | 42 | 32 | 1 |
| GA | 3 | 8 | 30 | 52 | 7 | OR | 60 | 21 | 13 | 6 | 0 |
| ID | 21 | 42 | 26 | 11 | 0 | PA | 0 | 0 | 23 | 72 | 5 |
| IL | 18 | 17 | 26 | 30 | 9 | RI | 0 | 0 | 0 | 50 | 50 |
| IN | 3 | 9 | 43 | 39 | 6 | sc | 0 | 3 | 35 | 60 | 2 |
| IA | 8 | 23 | 39 | 28 | 2 | SD | 44 | 35 | 18 | 3 | 0 |
| KS | 11 | 20 | 34 | 33 | 2 | TN | 1 | 5 | 26 | 54 | 14 |
| KY | 3 | 5 | 28 | 53 | 11 | TX | 9 | 23 | 34 | 27 | 7 |
| LA | 0 | 5 | 34 | 58 | 3 | UT | 15 | 48 | 36 | 1 | 0 |
| ME | 0 | 0 | 45 | 55 | 0 | VT | 0 | 0 | 50 | 50 | 0 |
| MD | 0 | 11 | 52 | 32 | 5 | VA | 2 | 16 | 43 | 34 | 5 |
| MA | 0 | 0 | 0 | 50 | 50 | WA | 75 | 15 | 6 | 4 | 0 |
| MI | 2 | 14 | 26 | 49 | 9 | wv | 6 | 7 | 13 | 62 | 12 |
| MN | 14 | 23 | 39 | 19 | 5 | WI | 3 | 6 | 21 | 44 | 26 |
| MS | 0 | 13 | 39 | 42 | 6 | WY | 31 | 39 | 27 | 3 | 0 |
| МО | 3 | 15 | 42 | 38 | 2 | 48 Sts | 22 | 23 | 30 | 20 | 5 |
| МТ | 65 | 30 | 5 | 0 | 0 | | | | | | |
| NE | 13 | 17 | 55 | 14 | 1 | Prev Wk | 23 | 22 | 31 | 20 | 4 |
| NV | 35 | 30 | 35 | 0 | 0 | Prev Yr | 17 | 27 | 36 | 18 | 2 |

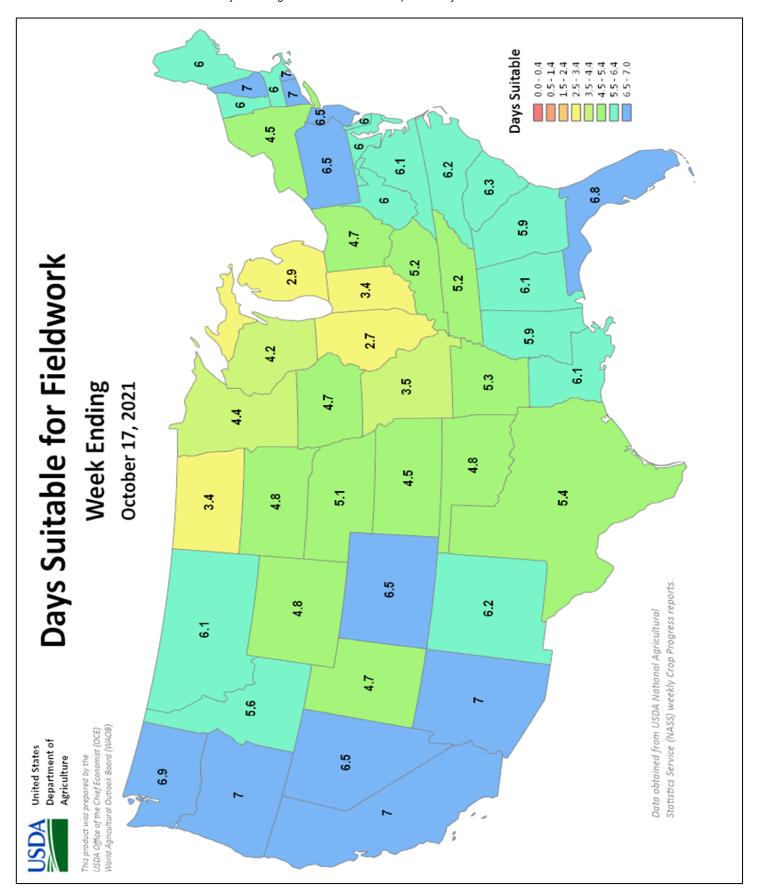
VP - Very Poor; P - Poor; F - Fair;

G - Good; EX - Excellent

NA - Not Available * Revised

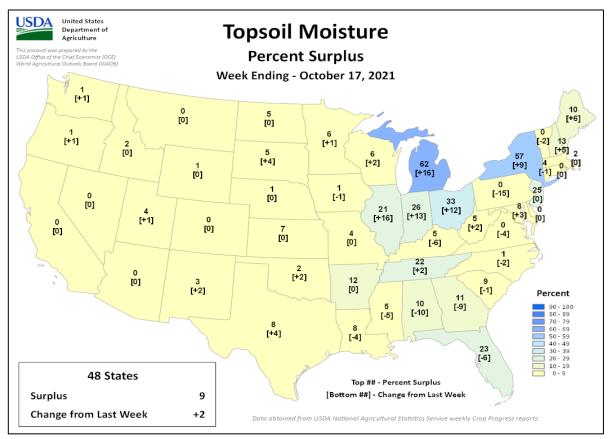
Week Ending October 17, 2021

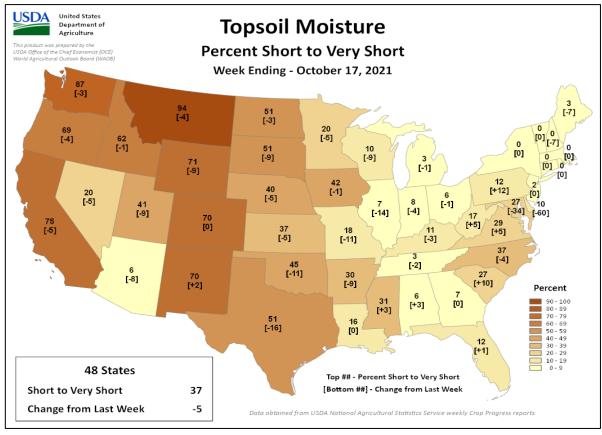
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Week Ending October 17, 2021

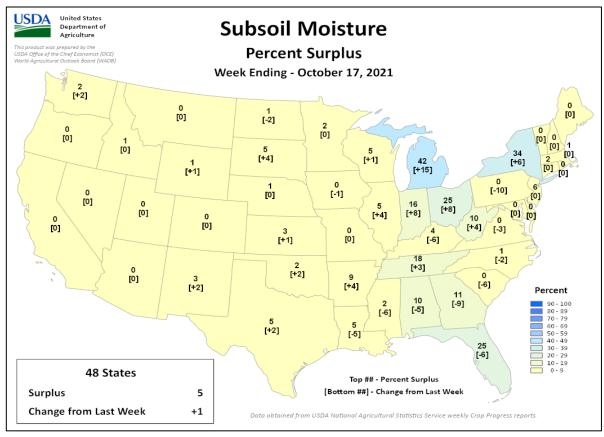
Weekly U.S. Progress and Condition Data provided by USDA/NASS

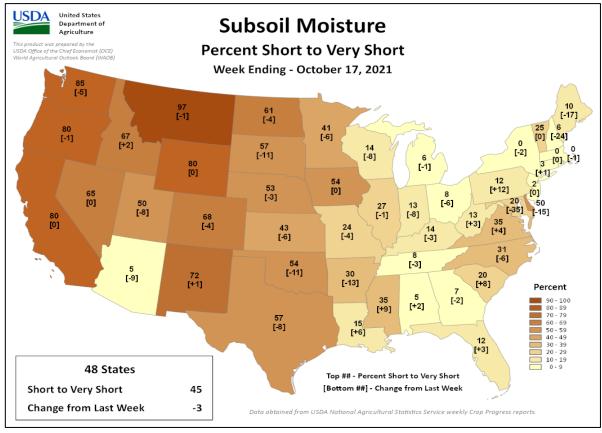




Week Ending October 17, 2021

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





October 14 ENSO Diagnostic Discussion

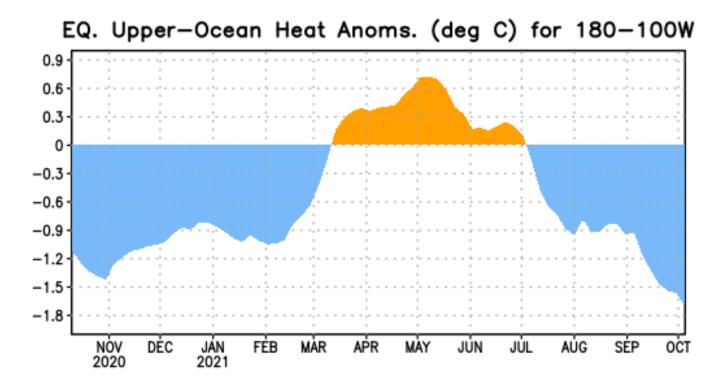


Figure 1: Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

ENSO Alert System Status: La Niña Advisory

Synopsis: La Niña conditions have developed and are expected to continue with an 87% chance of La Niña in December 2021- February 2022.

In the past month, La Niña conditions emerged, as indicated by below-average sea surface temperatures (SSTs) across the central and east-central equatorial Pacific. In the last week, the Niño-3.4 and Niño-4 index values were -0.6°C and -0.7°C, respectively. The Niño-3 and Niño-1+2 indices were not as cool, with values at -0.3°C and 0.1°C. Below-average subsurface temperatures (averaged from 180-100°W) strengthened significantly in the past month (Fig. 1), as negative anomalies were observed at depth across most of the central and eastern Pacific Ocean. Low-level easterly wind anomalies and upper-level westerly wind anomalies were observed over most of the equatorial Pacific. Tropical convection was suppressed near and west of the Date Line and enhanced over Indonesia, while the Southern Oscillation Index and Equatorial Southern Oscillation Index were both positive. Overall, the coupled ocean-atmosphere system was consistent with La Niña conditions.

The IRI/CPC plume average of forecasts for the Niño-3.4 SST index favors La Niña to continue through the fall and winter 2021-22. The forecaster consensus also anticipates La Niña to continue through the winter, with ENSO-neutral predicted to return during March-May 2022. Because of the recent oceanic cooling and coupling to the atmosphere, forecasters now anticipate a 57% chance of one season (November-January)

reaching -1.0°C or less in the Niño-3.4 index. Thus, at its peak, a moderate-strength La Niña is favored. In summary, La Niña conditions have developed and are expected to continue with an 87% chance of La Niña in December 2021- February 2022 (click CPC/IRI consensus forecast for the chances in each 3-month period).

La Niña is anticipated to affect temperature and precipitation across the United States during the upcoming months (the <u>3-month seasonal temperature and precipitation outlooks</u> will be updated on **Thurs. October 21**st).

This discussion is a consolidated effort of the National Oceanic and Atmospheric Administration (NOAA), NOAA's National Weather Service, and their funded institutions. Oceanic and atmospheric conditions are updated weekly on the Climate Prediction Center web site (El Niño/La Niña Current Conditions and Expert Discussions). Additional perspectives and analysis are also available in an ENSO blog. A probabilistic strength forecast is available here. The next ENSO Diagnostics Discussion is scheduled for 11 November 2021. To receive an e-mail notification when the monthly ENSO Diagnostic Discussions are released, please send an e-mail message to: ncep.list.enso-update@noaa.gov.

International Weather and Crop Summary

October 10-16, 2021

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

HIGHLIGHTS

EUROPE: A protracted heavy rain event was detrimental to unharvested cotton in Greece but alleviated lingering precipitation deficits in the southern Balkans.

WESTERN FSU: Showers renewed summer crop harvest delays in central Ukraine, while dry weather elsewhere favored a rapid pace of fieldwork.

MIDDLE EAST: Heavy rain in western Turkey was untimely for unharvested cotton, while dry weather elsewhere promoted early winter grain sowing.

SOUTH ASIA: The withdrawing monsoon ushered drier weather into northern India and Pakistan, aiding harvesting of cotton and rice sown early in the season.

EASTERN ASIA: Occasional showers in eastern and southern China increased soil moisture for newly-sown wheat and rapeseed.

SOUTHEAST ASIA: Typhoon Kompasu produced deluges across the northern Philippines and northern Vietnam, negatively impacting mature rice in both countries.

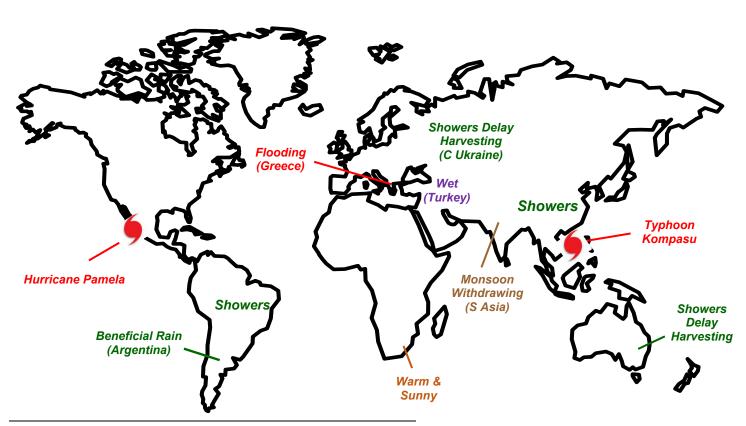
AUSTRALIA: Wet weather aided immature winter crops but slowed drydown and harvesting of the earliest maturing varieties.

SOUTH AFRICA: Warm, sunny weather spurred planting in eastern sections of the corn belt.

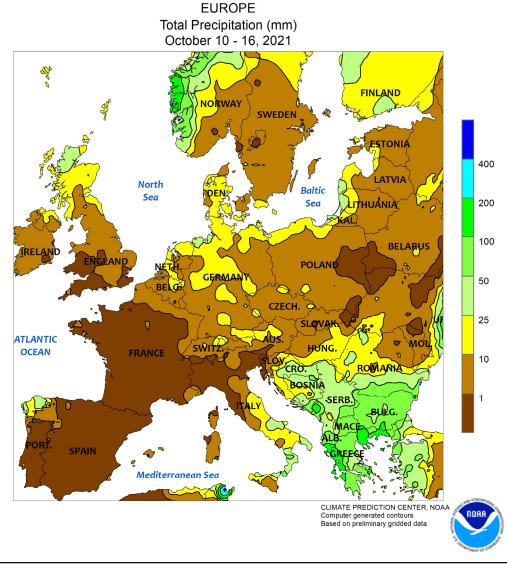
ARGENTINA: Rain benefited immature winter crops and newly sown summer crops in sections of central and northeastern Argentina.

BRAZIL: Widespread showers benefited emerging soybeans in key central and southern production areas.

MEXICO: Hurricane Pamela brought heavy rain and flooding to the Pacific Coast, but rainfall was generally widely scattered and light elsewhere.



For additional information contact: mark.brusberg@usda.gov

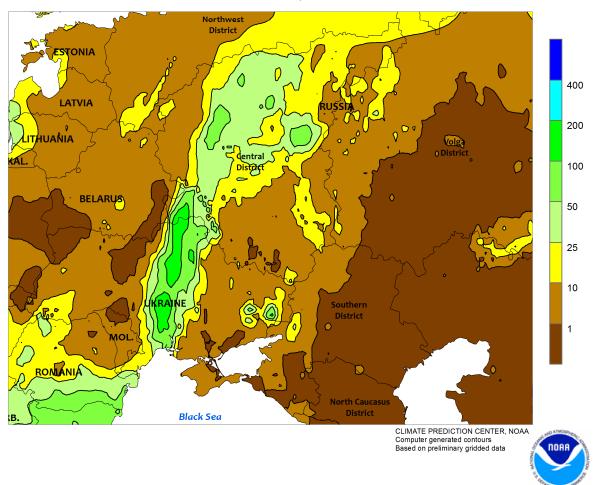


EUROPE

A slow-moving storm system produced heavy to excessive rainfall over southeastern Europe, while mostly dry conditions prevailed across the remainder of the continent. A sprawling, nearly stationary storm system coupled with abundant Mediterranean moisture fueled downpours in Greece and the Balkans. Weekly rainfall in Greece tallied 50 to 120 mm (locally as much as 277 mm on the southwestern coast), which added to already impressive event totals (October 7-16). The downpours began in Greece on October 7, with 10-day rainfall (as depicted by the Greece cooperative weather station network) in cotton areas totaling, from south to north: 65-115 mm in Central Greece; 90-225 mm in Thessaly; 120-240 mm in Macedonia. The rain adversely impacted the quality and

yields of unharvested cotton and halted harvesting efforts. Lesser albeit still heavy showers (10-80 mm) in the Balkans alleviated lingering long-term deficits over the lower Danube River Valley and maintained good moisture supplies for winter crop establishment elsewhere. Conversely, mostly dry weather from Spain into central Poland favored summer crop harvesting and other seasonal fieldwork, though scattered moderate to heavy showers (10-25 mm) in central Germany and along the Baltic and North Sea Coasts slowed fieldwork locally. Below-normal temperatures (1-5°C below normal) slowed winter crop development over most growing areas, although warm conditions (1-3°C above normal) were noted in Portugal and southern Spain.

WESTERN FSU Total Precipitation (mm) October 10 - 16, 2021

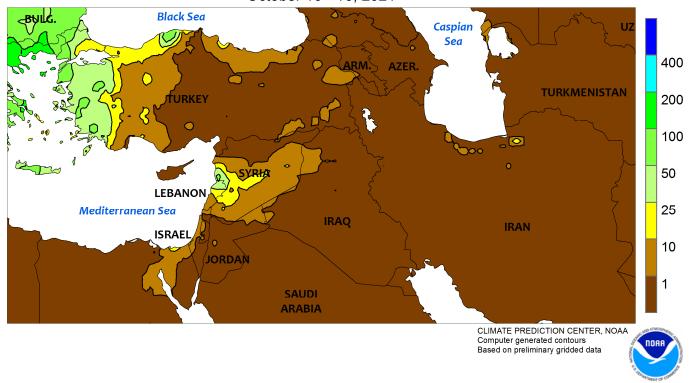


WESTERN FSU

Showers briefly delayed harvesting in central Ukraine, while dry weather elsewhere favored a rapid pace of fieldwork. A narrow band of moderate to heavy showers (10-35 mm) extending northward from southern Ukraine renewed corn and soybean harvest

delays, though the rain — which fell primarily on October 12 — was followed by dry weather. Elsewhere, summer crop harvesting and other seasonal fieldwork progressed at a rapid pace under sunny skies and near-normal temperatures.

MIDDLE EAST Total Precipitation (mm) October 10 - 16, 2021

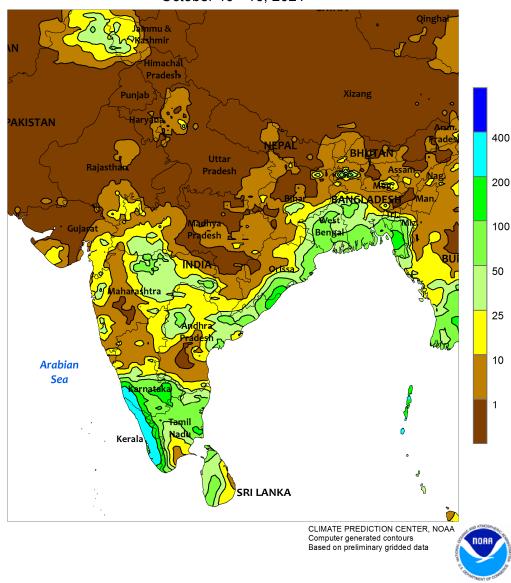


MIDDLE EAST

Heavy rain over western Turkey contrasted with dry weather elsewhere. A slow-moving storm over southeastern Europe triggered moderate to heavy showers (10-80 mm) from Thrace (northwestern Turkey) into the Aegean Region, slowing or halting late summer crop harvesting in the former and

adversely impacting any unharvested cotton in the latter. Meanwhile, sunny skies promoted seasonal fieldwork from central Turkey into Iran. Producers are likely awaiting the onset of seasonal rains — which typically arrive by the end of October — before sowing winter grains.

SOUTH ASIA Total Precipitation (mm) October 10 - 16, 2021

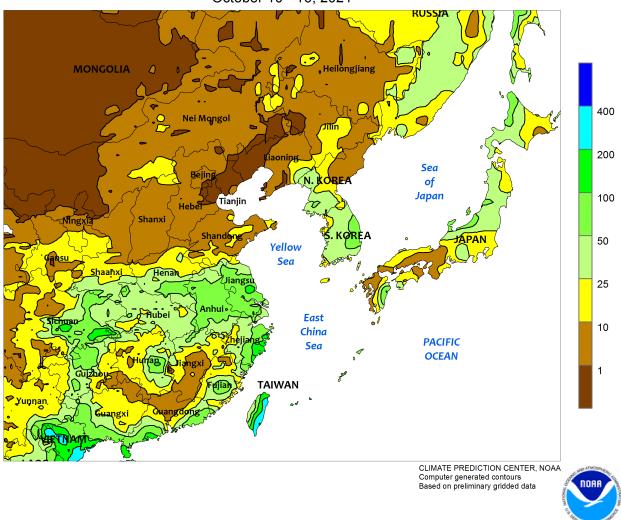


SOUTH ASIA

The southwest monsoon continued to withdraw from India at a near-normal pace. Drier weather across the north (and into Pakistan) supported harvesting of early-season kharif cotton and rice. Meanwhile, showers (25-100 mm or more) were limited to the southern peninsula and some coastal areas,

providing continued moisture to late-season immature kharif crops including cotton and rice. Monsoon showers can linger into late October in southern India, providing moisture to laterplanted kharif crops and boosting moisture reserves for rabi crop sowing beginning in November.

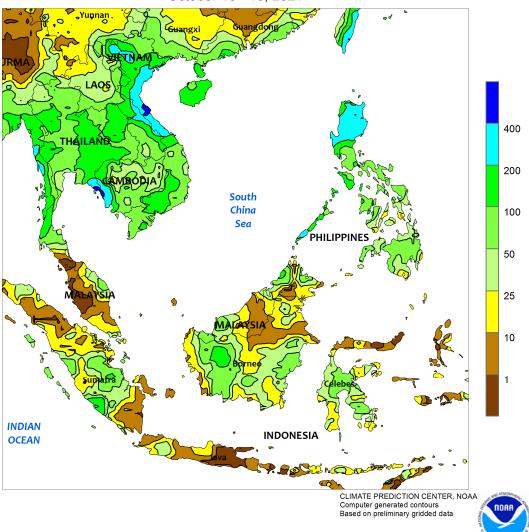
EASTERN ASIA Total Precipitation (mm) October 10 - 16, 2021



EASTERN ASIA

Occasional showers in southern China produced 10 to 50 mm (locally more), and along with cooler-thannormal weather (2-4°C below average), benefited recently sown rapeseed; planting typically lingers into November. Meanwhile, generally light rainfall (1-10 mm) on the North China Plain offered few interruptions of wheat sowing while aiding establishment of the crop.

SOUTHEAST ASIA Total Precipitation (mm) October 10 - 16, 2021

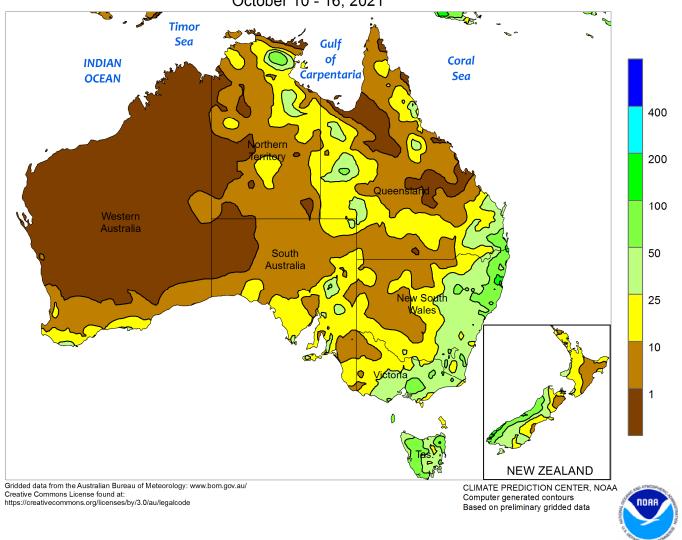


SOUTHEAST ASIA

Typhoon Kompasu skimmed the northern Philippines before making final landfall in northern Vietnam. The storm brought downpours (150-400 mm) to the aforementioned areas which were unwelcome for mature rice, likely reducing quality and yields somewhat. The remainder of the Philippines reported more seasonable rainfall amounts (25-100 mm or more), with enough dry periods for summer rice harvesting to proceed. Meanwhile, Thailand and the

surrounding areas benefited from the remnants of Kompasu, as upwards of 200 mm increased reservoirs and aided immature rice. To the south, periods of dry weather supported oil palm harvesting in Malaysia and nearby sections of Indonesia, while somewhat lighter-than-normal showers (less than 25 mm) prevailed in southern Indonesia (Java) following a quick start to the wet season; the wet season typically begins in November.



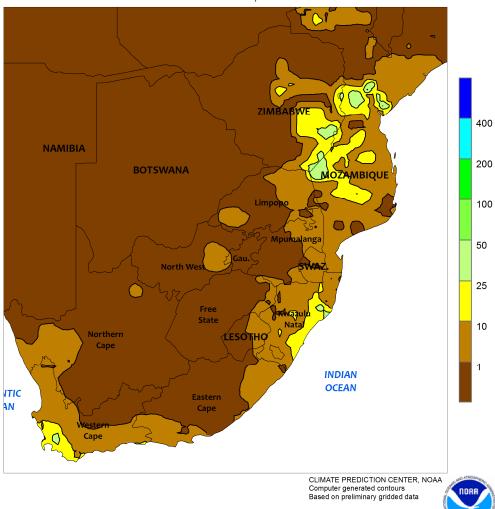


AUSTRALIA

Scattered showers (5-20 mm, locally more) in Western Australia and South Australia benefited filling winter crops but slowed drydown of maturing winter grains and oilseeds. Farther east, more widespread and heavier rain (20-50 mm) in Victoria, New South Wales, and southern Queensland soaked the eastern wheat belt. The wet weather kept recently sown summer crops well watered and likely triggered additional

planting. The rain also promoted further development of immature winter crops in the south but slowed maturation and harvesting in the north. Winter crop prospects remained good to excellent in most areas, but the wet weather raised some concerns about crop quality, especially in the earlier-maturing varieties. Temperatures averaged 1 to 3°C below normal throughout most of the wheat belt.

SOUTH AFRICA Total Precipitation (mm) October 10 - 16, 2021

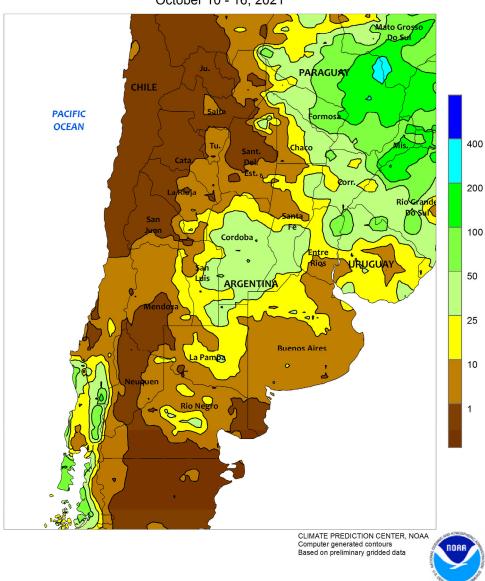


SOUTH AFRICA

Warm, sunny weather promoted rapid germination of early-sown summer crops, following recent periods of beneficial rainfall. Little to no rain fell in the corn belt (North West and Free State eastward) as only outlying production areas in Limpopo and KwaZulu-Natal reported measurable rainfall (1-10 mm). Weekly temperatures averaged 2°C

above normal (daytime highs reaching the lower 30s degrees C) in and around Mpumalanga, where planting was underway and the summer warmth promoted rapid germination. Elsewhere, light rain (5-25 mm) fell along the coasts of KwaZulu-Natal and Western Cape, otherwise near complete dryness prevailed.



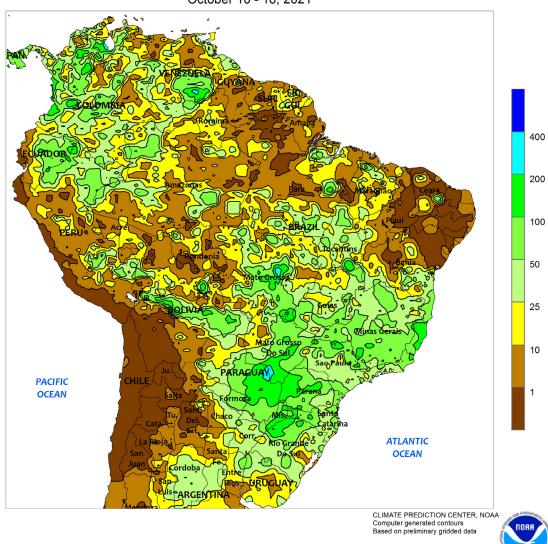


ARGENTINA

Showers provided timely moisture for winter grains and emerging summer crops in previously dry sections of central and northeastern Argentina. Rainfall totaled 10 to 50 mm from Cordoba to Entre Rios; lighter rain (3-25 mm) fell across most of La Pampa and Buenos Aires. Moderate to heavy rain (25-100 mm) fell in northeastern Argentina, including portions of the northern cotton belt (Santa Fe to eastern Formosa). Drier weather continued to dominate the northwest (notably Santiago del Estero and Salta), where seasonal rainfall should be on the rise, and moisture was limited for development of winter

grains and germination of summer grains, oilseeds, and cotton. Weekly temperatures averaged near to slightly below normal throughout much of the region and freezes were again recorded in southern sections of Buenos Aires. In contrast, occasionally hot weather (daytime highs reaching the upper 30s and lower 40s degrees C) exacerbated the impacts of the dryness on crops in the far north. According to the government of Argentina, sunflowers were 27 percent planted as of October 14, lagging last year's pace by 5 points; corn was 28 percent planted versus 29 percent last year.

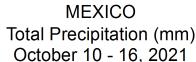
BRAZIL
Total Precipitation (mm)
October 10 - 16, 2021

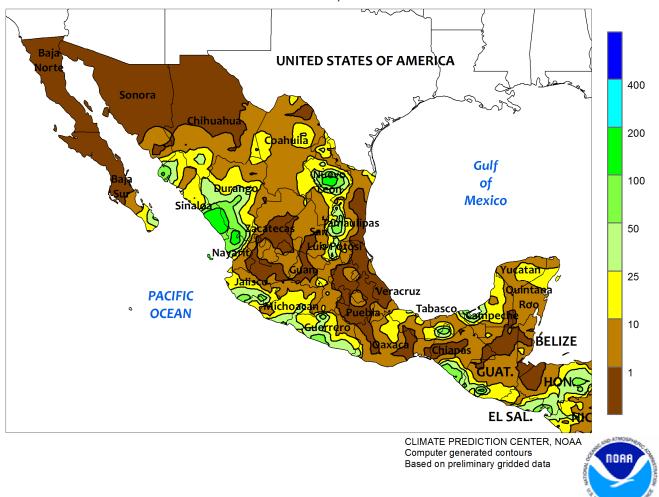


BRAZIL

Showers increased in both intensity and coverage, supplying soybeans and other recently planted summer crops with much-needed moisture. Moderate to heavy rain (25-50 mm) covered much of the Center West Region (Mato Grosso, Goias, and Mato Grosso do Sul); the rainfall extended eastward into the northeastern interior, enabling the start of soybean planting in areas with sufficient moisture. Highest daytime temperatures reached the middle and upper 30s (degrees C) in central and northeastern Brazil, maintaining high evaporative losses. According to the government of Mato Grosso, soybeans were 45 percent planted as of October 15, nearly 20 points ahead of

the 5-year average. Farther south, moderate to heavy rain (25-50 mm, locally exceeding 100 mm) maintained adequate to abundant levels of moisture for immature wheat and emerging soybeans and corn from Parana southward, extending westward into Paraguay. According to the government of Rio Grande do Sul, wheat was 5 percent harvested as of October 14, with nearly 85 percent ranging from filling to maturing in development; meanwhile, corn was 65 percent planted. The moisture was also beneficial for coffee in and around Minas Gerais, but additional rain will be needed for sugarcane and other crops in Sao Paulo after an extended drought.



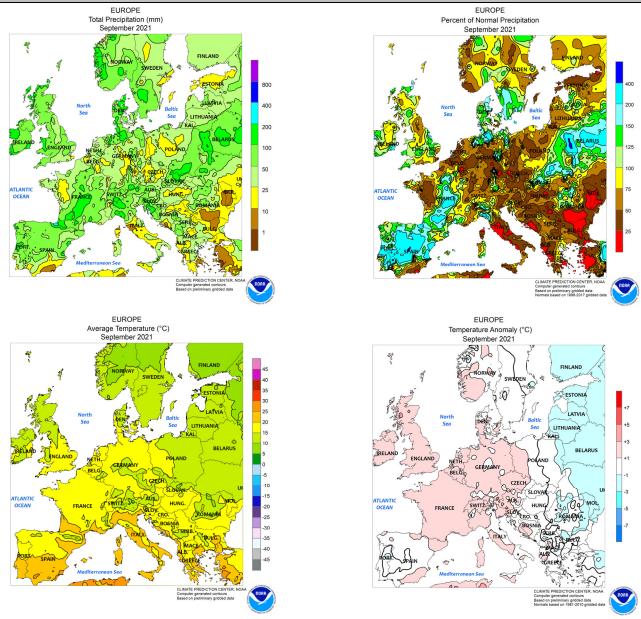


MEXICO

Hurricane Pamela brought locally heavy showers to western farming areas, while other parts of the country were seasonably drier. Pamela struck the western Pacific Coast with maximum sustained winds of 65 knots on October 13 before rapidly moving inland and weakening over the northeast. Rainfall totaling 50 to 100 mm – locally higher – was recorded near the point of landfall (southern Sinaloa, northern Nayarit, and southern Durango), but only a few isolated locations in the

path of the storm's remnants recorded similar amounts. Mostly dry weather prevailed elsewhere, including previously wet locations in southern Mexico. Except for the far northwest (Sonora and Baja Norte), the dryness was accompanied by above-normal temperatures, helping to hasten maturation of corn and other summer crops. However, daytime highs approaching 40°C maintained high water demands of livestock in the northeast (Coahuila to Tamaulipas).

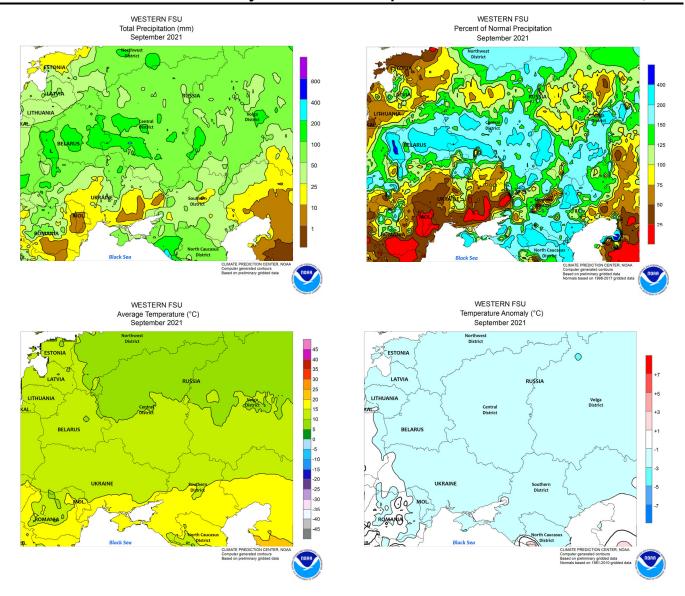
September International Temperature and Precipitation Maps



EUROPE

During September, dry weather across much of central and southeastern Europe contrasted with wet conditions in many western growing areas. Moderate to heavy rainfall (50-135 mm, locally more than 250 percent of normal) was reported from central France southwestward into Spain and Portugal, hampering fieldwork but providing good moisture for winter crop establishment. However, rain continued to bypass crop areas in western France, leaving soils unfavorably dry for winter wheat and rapeseed. Moderate to heavy showers (40-150 mm) likewise kept soils moist for winter crops from England

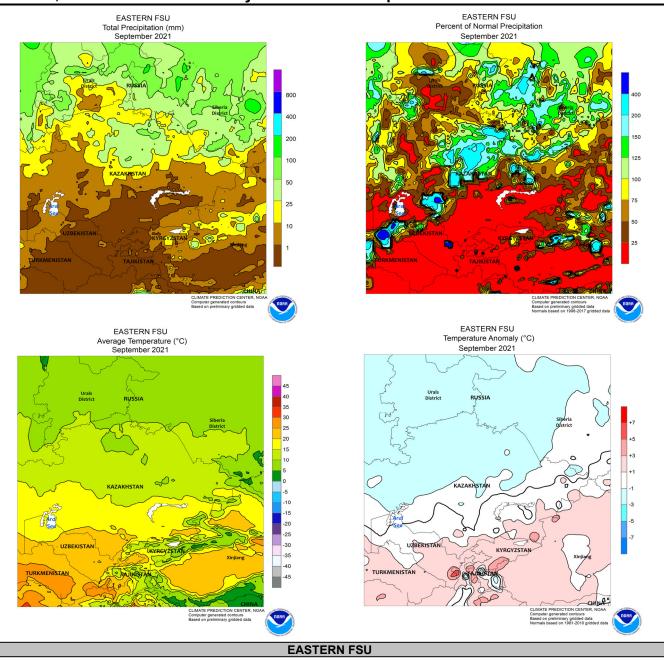
into Scandinavia. Another ribbon of above-normal rainfall was noted from Slovakia into southern Poland. Conversely, drier-than-normal weather (25-75 percent of normal) from the Low Countries southward into much of Italy, Greece, and the Balkans promoted summer crop drydown and harvesting but left soil moisture in short supply for winter crop establishment in the lower Danube River Valley. September featured above-normal temperatures (up to 3°C above normal) across most of the continent, with cooler-than-normal weather (1-2°C below normal) confined to the Baltic States.



WESTERN FSU

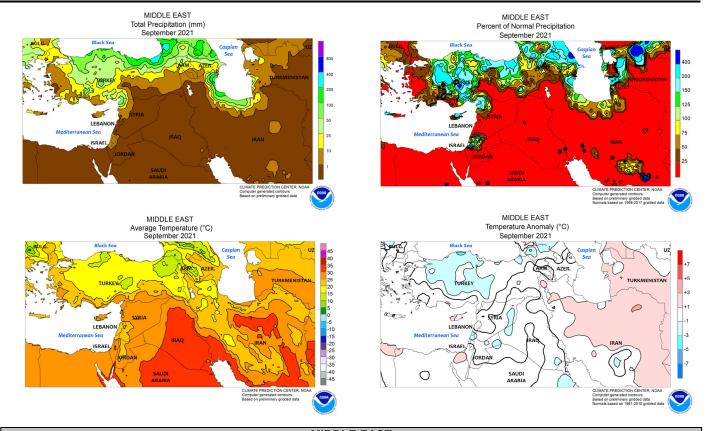
Wet, chilly weather prevailed over much of the region during September, though dry conditions were noted in south-central Ukraine and environs. A dry month (less than 50 percent-of-normal rainfall) from Moldova into southeastern Ukraine allowed sunflower and soybean harvesting to gain momentum, while moderate to heavy rain (60-100 mm, 150-200 percent

of normal) impeded corn harvesting in north-central Ukraine. The rest of the region experienced cool, wet weather (up to 3°C below normal, locally more than 200 percent-of-normal rainfall), hampering summer crop harvest efforts but maintaining good to excellent moisture supplies for winter crop establishment, especially in key wheat areas of southwestern Russia.



Cooler weather settled over the region, with continued dryness in the west contrasting with late-season rain in the east. During September, the wet end of the growing season continued from northeastern Kazakhstan into Russia's Siberia District, with most areas reporting 50 to 150 mm of rainfall (100-275 percent of normal). The rain likely impeded late harvesting efforts but was otherwise inconsequential to mature spring wheat and barley. Meanwhile, dryness prevailed over the western half of the

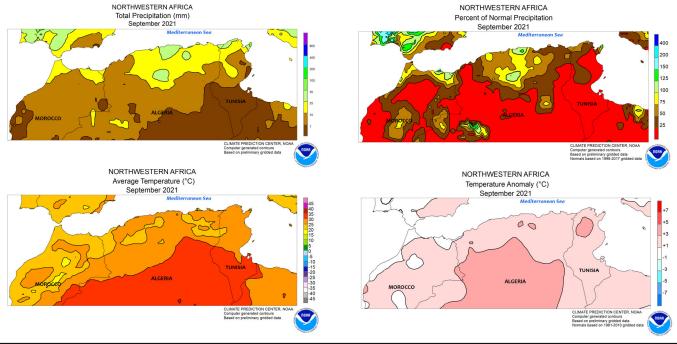
region, maintaining drought but having little further deleterious impacts on mature wheat and barley. However, colder weather settled over the region's spring grain belt, with temperatures up to 2°C below normal in sharp contrast to this summer's blistering heat. Farther south, the cotton belt (Uzbekistan and neighboring environs) was seasonably dry; the bulk of the cotton region's cool-season precipitation — vital to irrigation supplies for summer crops — typically occurs from November through May.



MIDDLE EAST

Rain in Turkey and along the northern coasts contrasted with seasonably dry weather elsewhere. Moderate to very heavy rainfall (50-200 mm, locally more) was reported along the Black and Caspian Sea Coasts, though these areas often report orographically enhanced rainfall totals as moisture from the adjacent water bodies encounters the nearby mountainous terrain.

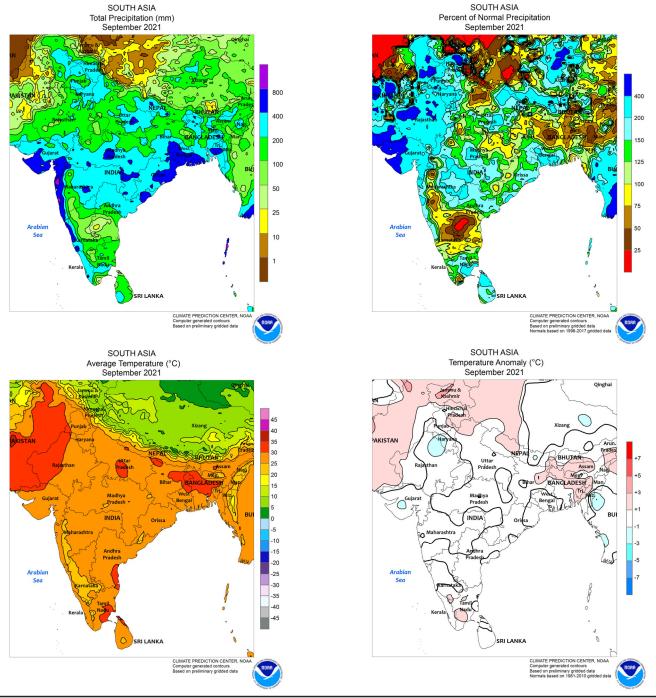
More notably, early-season showers (20-50 mm, locally more) over central Turkey's Anatolian Plateau as well as the southeastern Adana Region moistened topsoils and likely encouraged some early winter grain sowing. Dry weather prevailed elsewhere, with seasonal rains typically arriving by late October from the eastern Mediterranean Coast into Iran.



NORTHWESTERN AFRICA

During September, showers in central and northeastern growing areas contrasted with mostly dry weather elsewhere. Showers and thunderstorms (10-60 mm) were reported from the central Tell of Algeria eastward into northern-most Tunisia. Seasonal rains typically return in September to Tunisia and northeastern Algeria; as a result, these monthly rainfall totals were well short of normal (locally less than 25 percent of normal), though

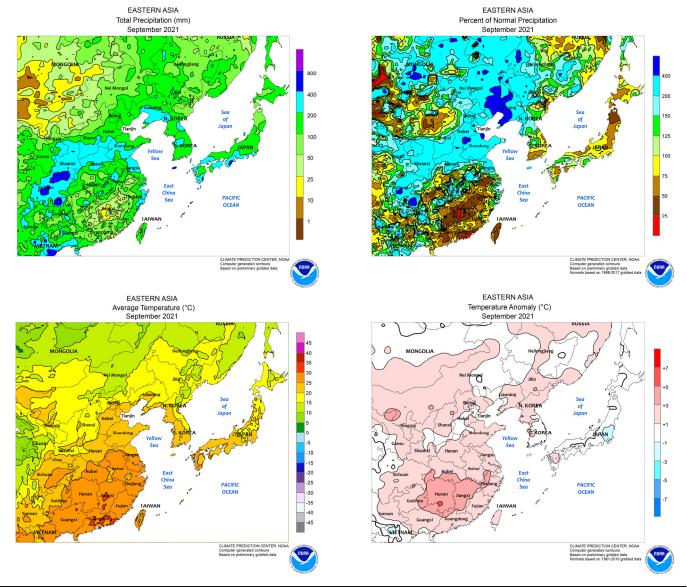
the bulk of the cool-season rainfall occurs from November through April. In north-central Algeria, however, September's rain was closer to normal. From western Algeria into Morocco, seasonably dry weather prevailed, with these western growing areas typically receiving their first rain in October. Winter grains are sown from October through December, pending the arrival of consistent, uniform rainfall.



SOUTH ASIA

Following poor rainfall in August, September rainfall was greatly improved across the region. A resurgent monsoon and a late-month tropical cyclone (Shaheen) produced widespread downpours in India with most areas recording well in excess of 150 mm of rain (100-250 percent of normal). The late-season moisture benefited western cotton and eastern rice as well as

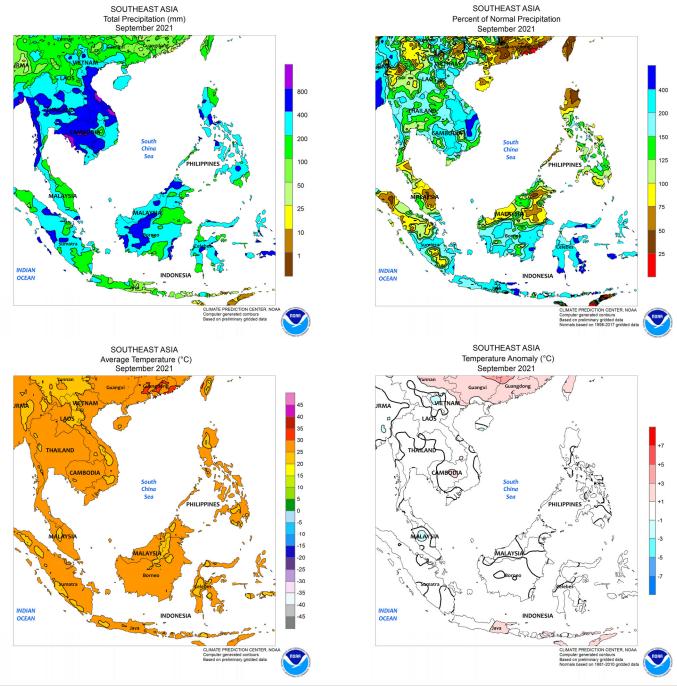
other kharif crops planted later in the season. However, the moisture was less welcome for maturing cotton and rice in northern India and Pakistan, which were planted early in the season. Monsoon showers can linger well into October, particularly in southern India where late-season kharif crops can still benefit from the extended wet weather.



EASTERN ASIA

During September most summer crop areas in China recorded above-average rainfall, although below-average rainfall prevailed in the southeast. In northeastern China, most corn and soybean areas received 100 to 150 mm of rain (200-400 percent of normal), which came too late in the season to benefit maturing crops. Even higher rainfall totals (150-600 mm, 200-400 percent of normal) occurred in a band extending from the upper Yangtze Valley onto the North China Plain. As in the northeast, the wet weather did not benefit maturing summer crops but

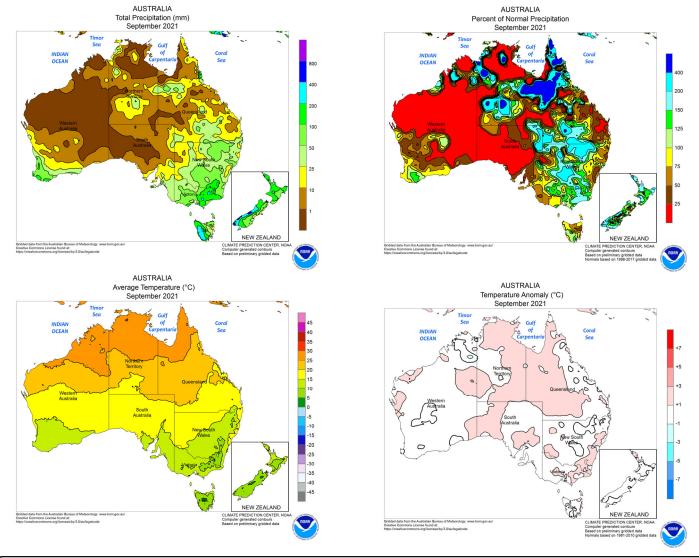
did increase moisture reserves for winter crops sown in the following months. Meanwhile, poor rainfall in the southeast (less than 70 percent of normal) limited moisture for the portion of late-crop rice that was in the reproductive stages of development; rice development varied from reproductive to maturing. Elsewhere, warm, dry weather in western China (Xinjiang) aided cotton maturation and harvesting, while heavier-than-normal showers (150-300 mm) on the Korean Peninsula and into southern Japan were generally unwelcome for maturing rice.



SOUTHEAST ASIA

An active monsoon and a pair of tropical cyclones brought above-average rainfall to most of the region. In Thailand and environs, rainfall totals were in excess of 250 mm (125-200 percent of normal, locally over 400 percent of normal), providing ample moisture to reproductive rice and other seasonal crops. Some of the highest totals (over 600 mm) were recorded in the northern half of Vietnam, the result of two tropical cyclones (Conson and Dianmu) making landfall. Typhoon Chanthu produced downpours across a

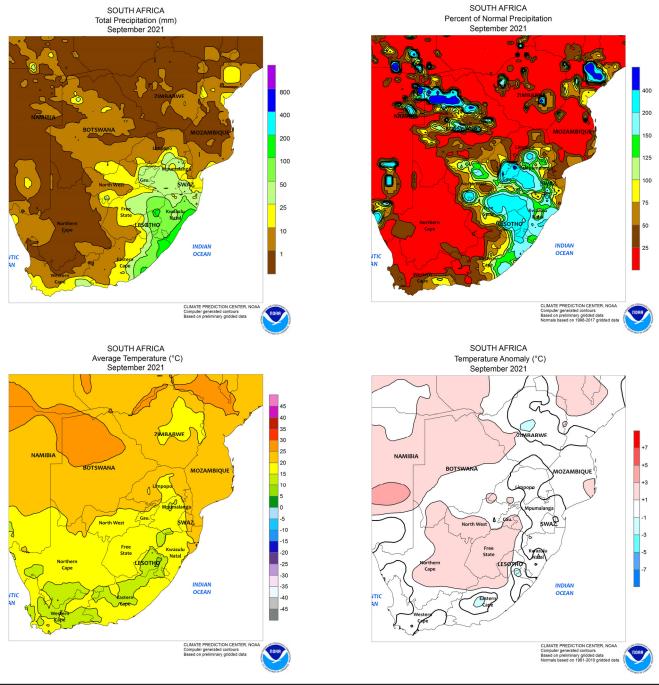
wide swath of the Philippines as it brushed the northeastern Philippines, though the main growing areas in the north reported below-average rainfall for the month (40-75 percent of normal). In other parts of the region, intermittent dry weather supported the main harvest period for oil palm in Malaysia and Indonesia. Meanwhile, the wet season in southern Indonesia (Java) was off to one of its earliest starts in the last 30 years, providing an early boost to moisture supplies ahead of the main growing season for rice.



AUSTRALIA

During September, near- to above-normal rainfall in Western Australia, Victoria, and New South Wales maintained good to excellent yield prospects for reproductive to filling wheat, barley, and canola. In contrast, below-normal rainfall was measured across South Australia during September. However, timely rain during the first half of the growing season promoted winter grain and oilseed development in this state, helping to maintain good crop prospects despite the recent stretch of relatively

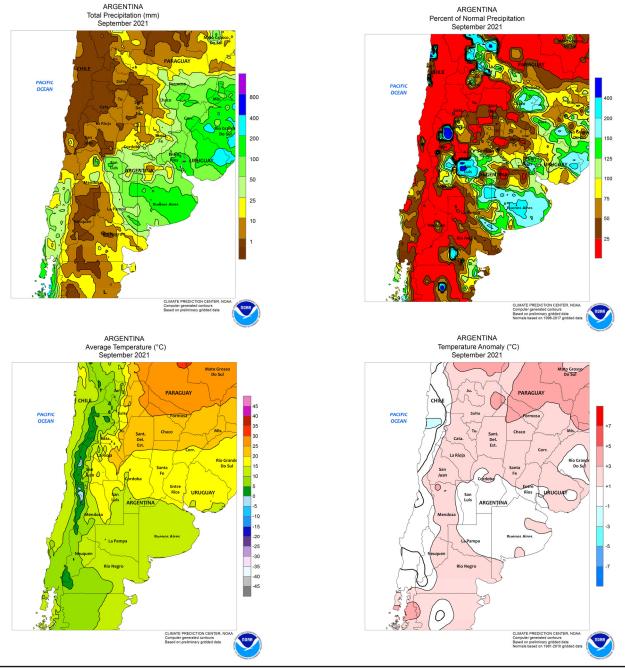
dry weather. Elsewhere, mostly sunny skies in southern Queensland aided winter wheat maturation and helped maintain crop quality. The drier-than-normal weather favored fieldwork as well, including initial cotton, sorghum, and other summer crop planting. Although it was considerably wetter in New South Wales, summer crop planting also progressed, although likely at a somewhat slower pace. Temperatures averaged near normal throughout the wheat belt during September.



SOUTH AFRICA

September showers helped to condition fields for planting in eastern sections of the corn belt. Much of the rain fell at month's end, providing timely moisture for germination and establishment of summer crops in and around Mpumalanga, where planting is typically underway in October. Rainfall was lighter in western portions of the corn belt (North West and western sections of Free State), although planting was months away and time remains to gain needed moisture. Elsewhere, locally heavy rain (monthly accumulations totaling more than 100 mm) along the southeastern coast benefited sugarcane and other

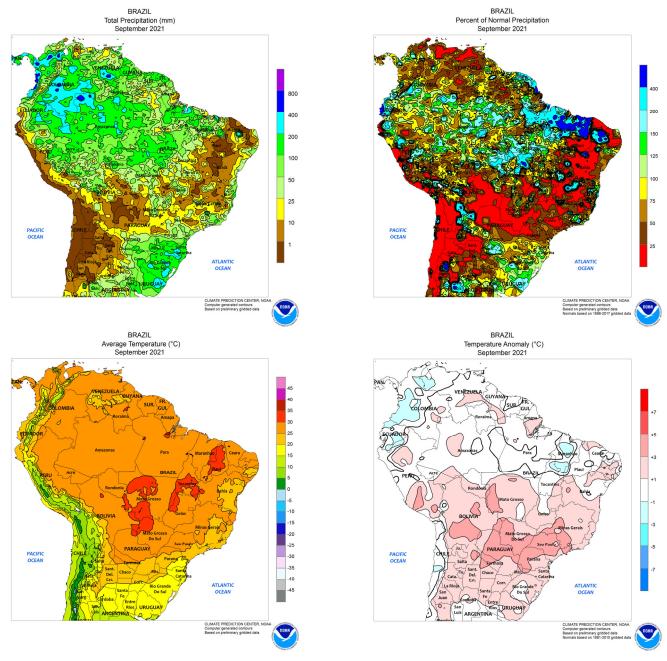
summer crops in KwaZulu-Natal and eastern farming areas of Eastern Cape. Farther west, rainfall continued along the southern coast of Western Cape, with mostly dry weather in northwestern wheat areas. Monthly temperatures averaged near to slightly above normal in nearly all major farming areas, with lingering freezes confined to agricultural areas well inland and away from most sugarcane and wheat areas. The warm, sunny weather in Western Cape fostered rapid development of the generally well-watered wheat crop while aiding spring growth of tree and vine crops.



ARGENTINA

During September, periods of unseasonably heavy rain provided timely moisture for immature winter grains as well as germination of early-sown summer crops. In central Argentina (La Pampa, Buenos Aires, and farmlands stretching from central Cordoba through Entre Rios), much of the rain came early in the month, with drier conditions supporting seasonal fieldwork afterwards. Showers were more evenly distributed in the northeast during the month but were generally too early in the season to promote cotton planting. Meanwhile, dry

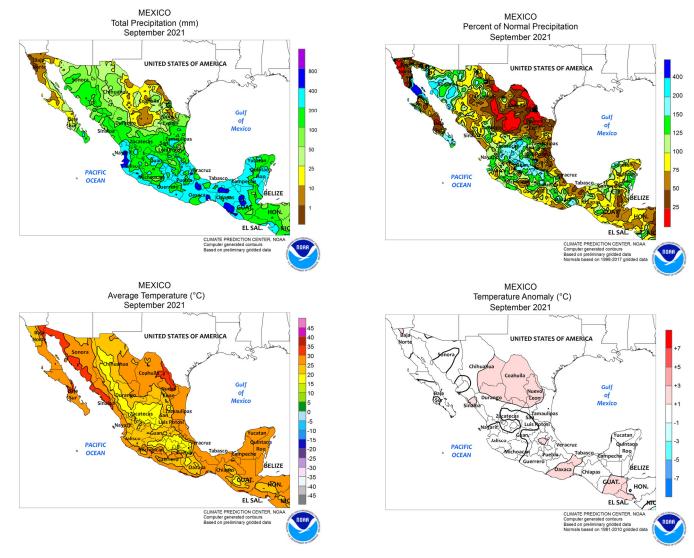
weather continued to dominate the northwest (Santiago del Estero and environs), which typically experiences a seasonal rise in rainfall this time of year. Temperatures averaged 1 to 4°C above normal for the month, as highest daytime temperatures ranged from the middle 20s (degrees C) in Buenos Aires to more than 40°C in the far north (including Formosa and Chaco). Despite the trend toward seasonal warming, frost was common throughout September in the traditionally cooler farming areas of southern Buenos Aires.



BRAZIL

In September, the arrival of seasonal rainfall helped to condition fields for planting soybeans and other mainseason summer crops in key production areas of central Brazil. While patchy in nature, portions of Mato Grosso, Goias, and Mato Grosso do Sul recorded more than 50 mm, which was sufficient for planting and germination. However, summer warmth (daytime highs reaching 40°C, which are typical before the full onset of seasonal rains) maintained high evaporative losses. Less frequent, generally lighter rain (monthly accumulations of less than 25 mm) fell in the northeastern interior but came too early in the season to spur planting of rain-fed soybeans.

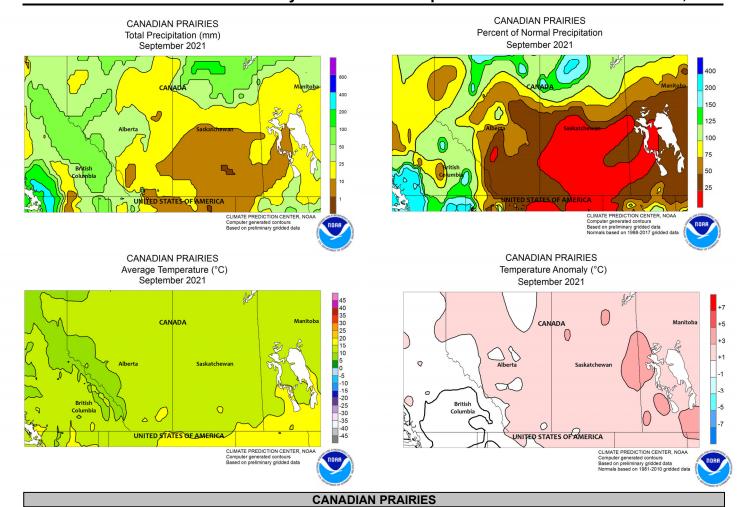
Elsewhere, scattered showers provided a local boost in moisture for sugarcane and coffee in Sao Paulo and Minas Gerais, while heavier rain (monthly accumulations from 25 to more than 200 mm locally) increased moisture for germination of corn and soybeans, as well as immature wheat, from Parana southward. The heavy rain extended southward through the rice areas of southern Rio Grande do Sul, helping to build irrigation reserves for the upcoming crop. Monthly temperatures averaged 1 to 3°C above normal in the more southerly farming areas, with daytime highs reaching the upper 30s and lower 40s (degrees C) in and around Sao Paulo and no freezes were recorded.



MEXICO

During September, ample showers maintained overall favorable levels of moisture for rain-fed summer crops in southern and eastern Mexico. Monthly accumulations were near to above normal from the southern plateau south and eastward due to the frequent, occasionally heavy showers. Elsewhere, less frequent, though still unseasonably heavy rain also fell in the northeast (Tamaulipas and environs), increasing moisture for summer crops that included soybeans and – southward into Veracruz – sugarcane. Meanwhile, monsoon showers

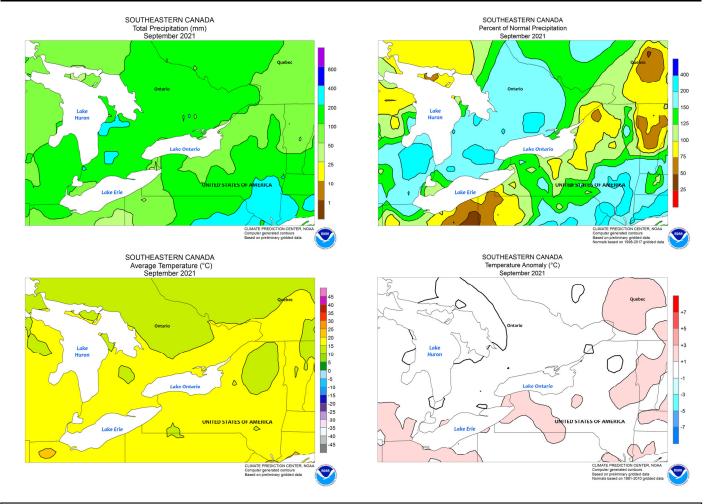
became less frequent in the northwest, although monthly accumulations exceeded 50 mm in many areas. According to the government of Mexico, national reservoir capacity rose to 68 percent as of September 30, an increase of 9 points over last month and slightly higher than in 2020 (65 percent). Northwestern reservoir capacity also rose 9 points from month to month, reaching 53 percent as the monsoon season was coming to a close. As of September 30, reservoirs were at 41 percent capacity in Chihuahua, 50 percent in Sonora, and 57 percent in Sinaloa.



During September, warmer- and drier-than-normal weather fostered rapid rates of drydown and harvesting of crops in nearly all agricultural districts. Except for Alberta's Peace River Valley, precipitation was below normal throughout the Prairies, with most locations reporting monthly

accumulations below 25 mm. Temperatures averaged 1 to

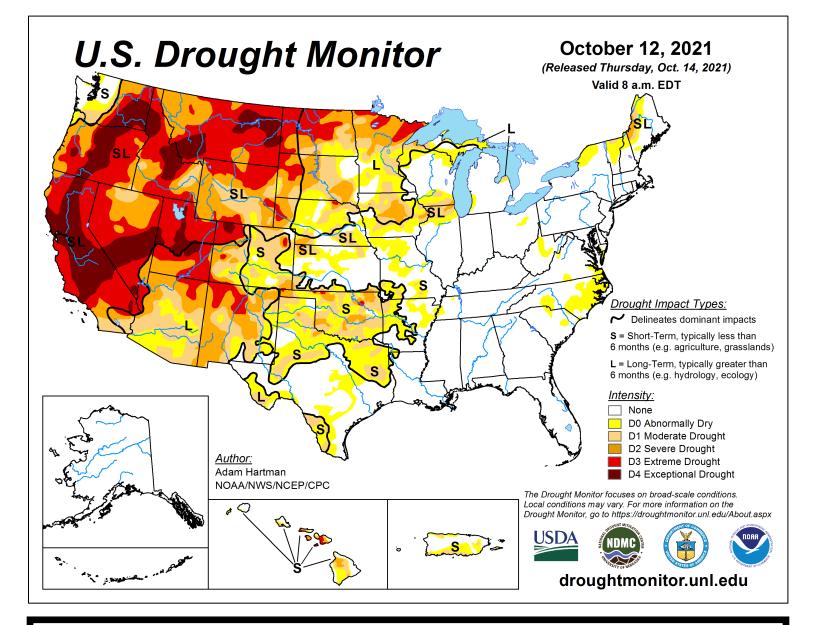
3°C above normal and – despite seasonal cooling – daytime highs exceeded 30°C on several days. Nighttime lows dropped below freezing throughout much of Alberta and Saskatchewan, while large sections of Manitoba remained without a freeze, extending the growing season for later-developing summer crops.



SOUTHEASTERN CANADA

While causing some disruptions to autumn fieldwork, September rainfall provided a timely boost in moisture for winter wheat establishment. Monthly accumulations were near to above normal throughout the main agricultural districts of both Ontario and Quebec. Temperatures averaged near to slightly above normal, with highest daytime temperatures reaching the upper 20s (degrees C) regionwide.

Despite the advent of seasonal cooling, the region lacked a season-ending freeze, allowing late summer crop development and rapid emergence of winter wheat, the bulk of which is ideally planted by the end of September. According to the Canadian Drought Monitor, portions of southern Quebec were still experiencing Moderate Drought (D1) as of September 30, but Ontario was entering the winter drought-free.



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