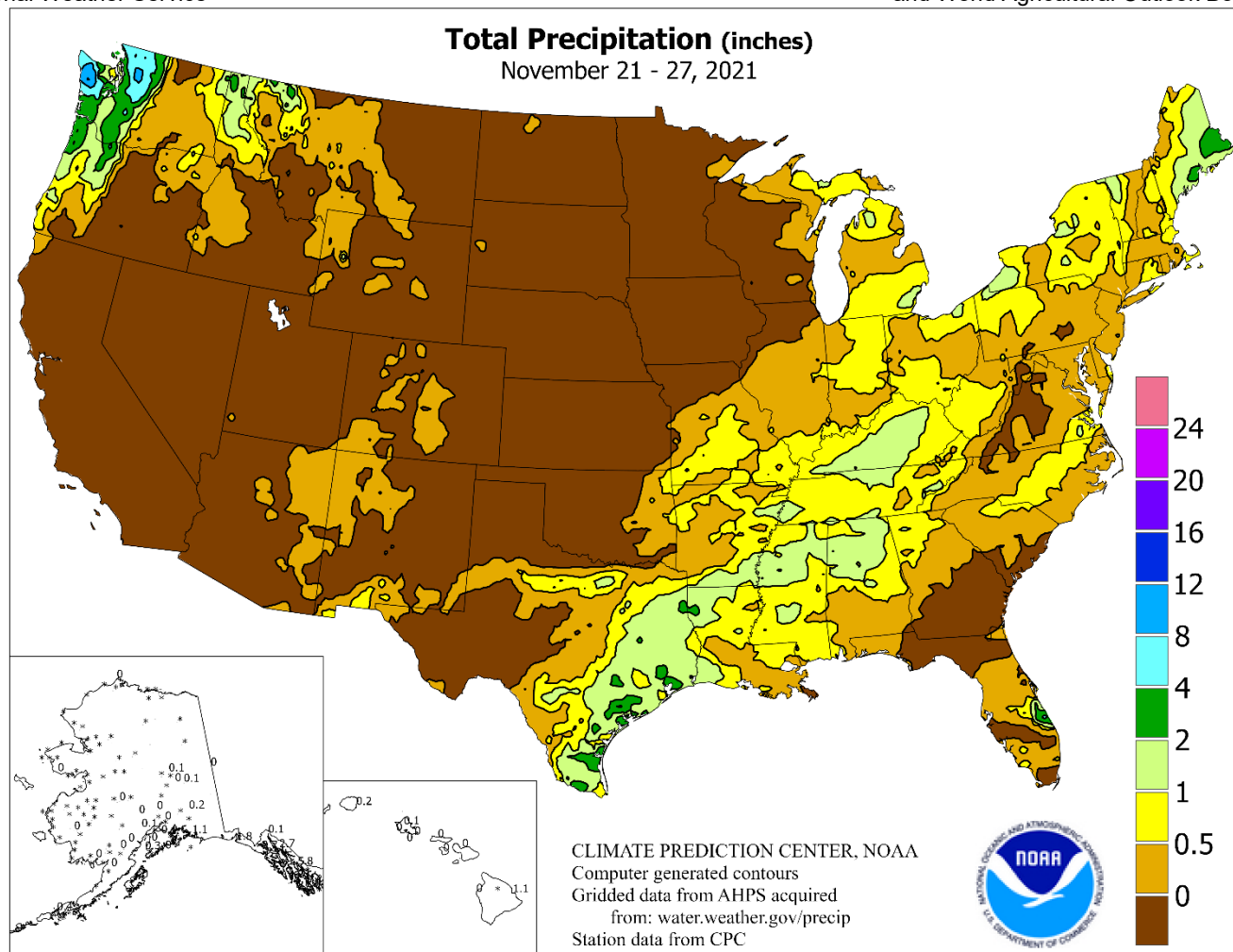


WEEKLY WEATHER AND CROP BULLETIN

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

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



HIGHLIGHTS

November 21 – 27, 2021

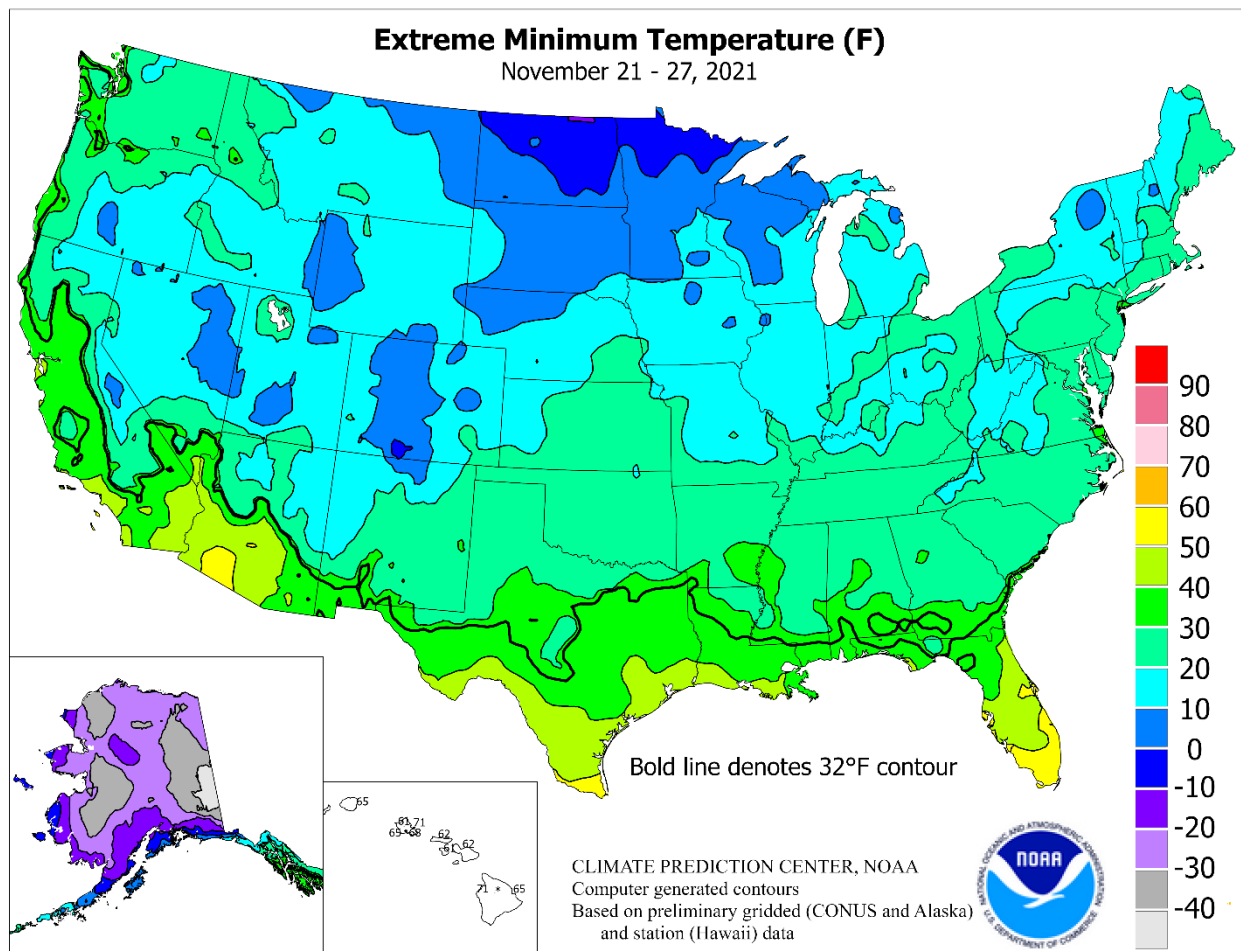
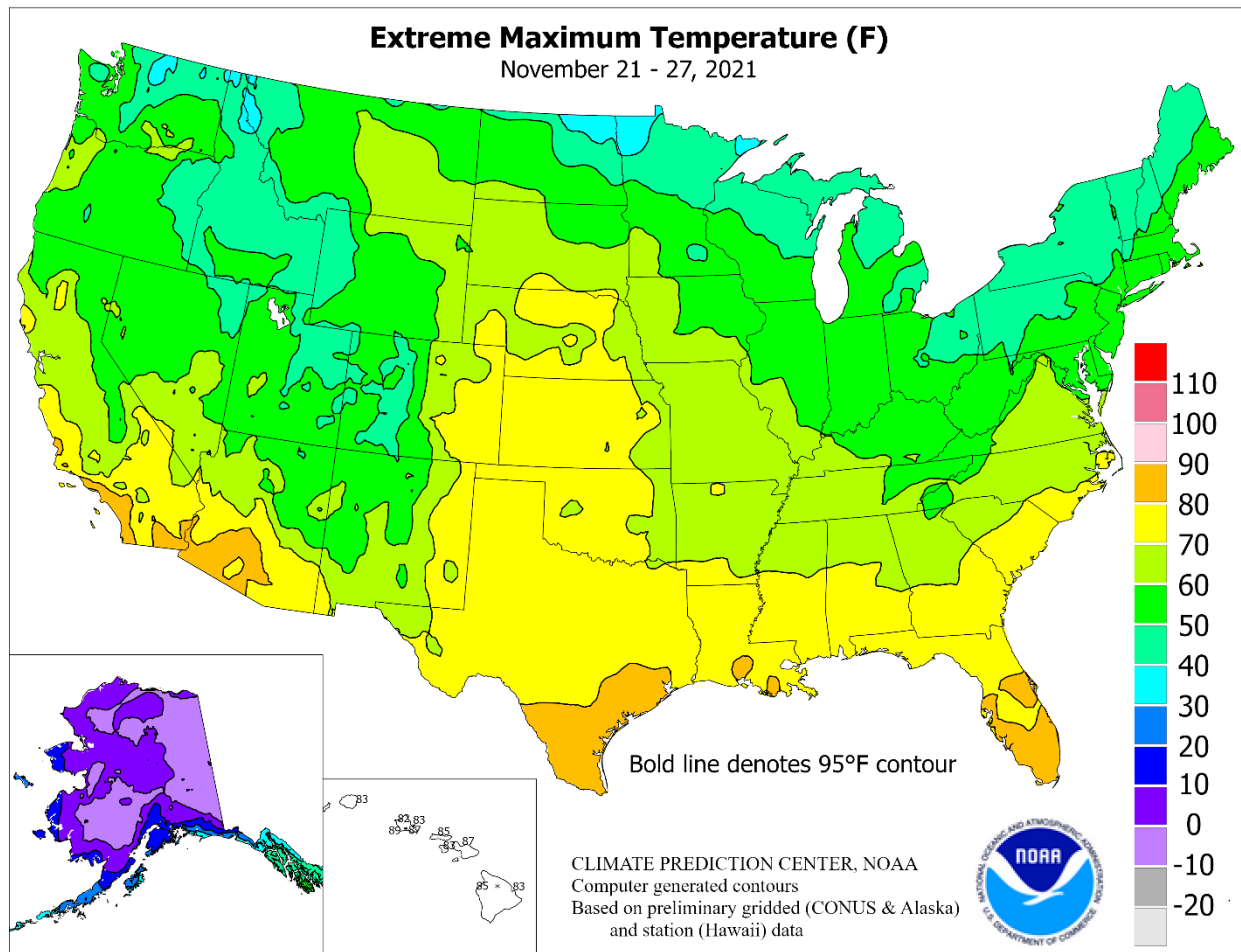
Highlights provided by USDA/WAOB

Midwestern corn and soybean harvests neared completion, although spotty rain and snow showers hampered end-of-season fieldwork in the **Ohio Valley** and **lower Great Lakes region**. Showers also extended southward through the **Tennessee Valley** and into the **western and central Gulf Coast States**, but rain fell only briefly. As a result, **Southern** producers continued to make good progress on late-autumn fieldwork, including winter wheat planting and cotton and peanut harvesting. Meanwhile, dry weather again dominated the **Plains**,

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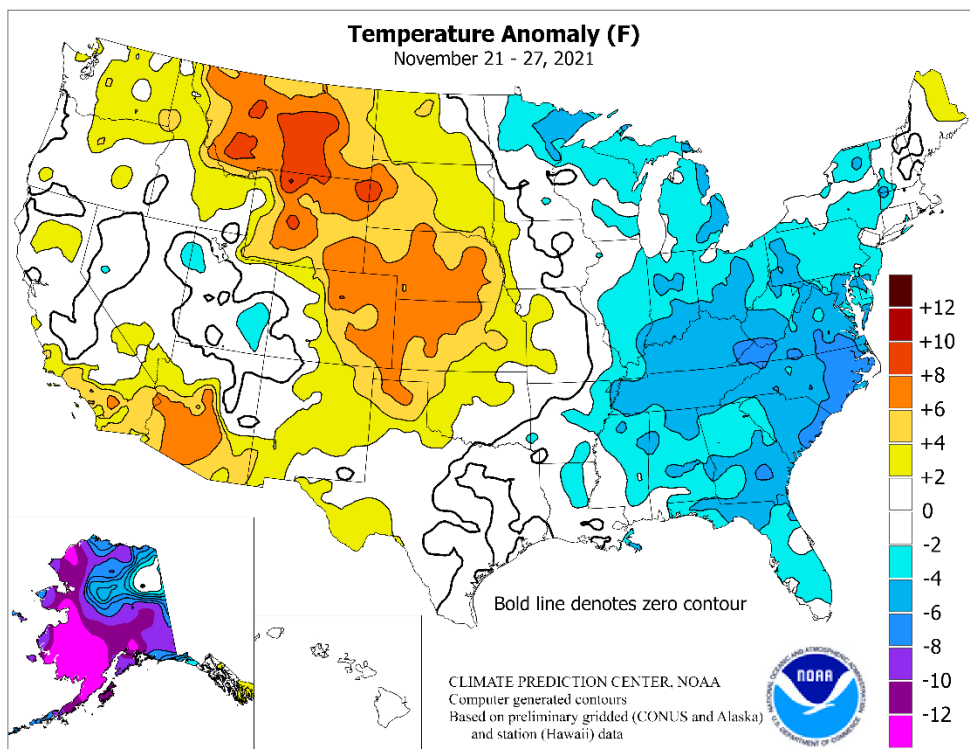


(Continued from front cover)

favoring late-autumn fieldwork but limiting moisture for winter wheat establishment. Late-season warmth aggravated the effects of ongoing dryness, leading to increased stress on a portion of the wheat crop. By the end of November, soil moisture shortages were particularly acute in parts of **Montana** and on the **central and southern High Plains**. Mild, dry conditions also prevailed in the **western U.S.**, excluding the **Pacific Northwest** and the **northernmost Rockies**. In fact, no meaningful precipitation has fallen across **northern and central California** in more than a month, since the October 24-25 deluge. Meanwhile, soggy conditions persisted in **western Washington**, following mid-November flooding. Elsewhere, snow blanketed parts of **northern New England**, with nearly 6 inches falling on November 26 in **Caribou, ME**. Several days of cool weather throughout the **eastern one-third of the country** helped to hold weekly temperatures more than 5°F below normal in many locations from the **lower Great Lakes region into the Southeast**. Conversely, readings averaged at least 5 to 10°F above normal throughout the **Plains**, with some of the warmest weather, relative to normal, stretching from **Montana to eastern Colorado and parts of Kansas**.

Several chilly days across the **eastern U.S.** led to freezes deep into the **South**, including parts of **northern Florida** and **southern sections of Alabama and Mississippi**. **Tallahassee, FL**, reported a low of 27°F (not a record for the date) on November 24. In **southern Georgia**, the first freeze of the autumn occurred on the 24th in **Valdosta** (30°F) and **Albany** (32°F). Farther north, early-week temperatures dipped below 0°F for the first time this season in parts of **North Dakota** and **northern Minnesota**. Sub-zero lows on November 25 included -5°F in **International Falls, MN**, and -1°F in **Grand Forks, ND**. In contrast, highs soared to daily-record levels on November 21 in **southern California** locations such as **Vista** (89°F) and **Newport Beach** (85°F). Two days later, a surge of warmth across the **Plains** and **Midwest** resulted in record-setting highs for November 23 in **Valentine, NE** (77°F); **Burlington, CO** (75°F); **Goodland, KS** (74°F); **Sioux Falls, SD** (68°F); and **Sioux City, IA** (68°F). Several days later, another round of impressive, late-season warmth overspread the **western and central U.S.** On November 27-28, consecutive daily-record highs were established in **Northwestern** locations such as **Portland, OR** (63°F both days), and **Olympia, WA** (58°F both days). Elsewhere on the 27th, **Topeka, KS**, logged a daily-record high of 71°F—the sixth day this month with a reading of 70°F or greater. For much of the week, **southern California's** coastal ranges were plagued by gusty, offshore winds, accompanied by warm weather and low humidity levels, leading to an elevated wildfire threat. Some of the highest winds (locally 70 to 90 mph) were observed on Thanksgiving Day, November 25. For example, a pre-dawn gust to 89 mph was clocked on the 25th in **Browns Canyon**, near **Chatsworth, CA**.

As the week began, spotty downpours lingered along **Florida's east coast**, where **Fort Pierce** tallied a daily-record sum (4.41 inches) for November 21. Early-week showers also dotted **Deep South Texas**, resulting in a record-setting total (2.11 inches) for November 22 in **McAllen**. Another round of rain arrived in the **western Gulf Coast**

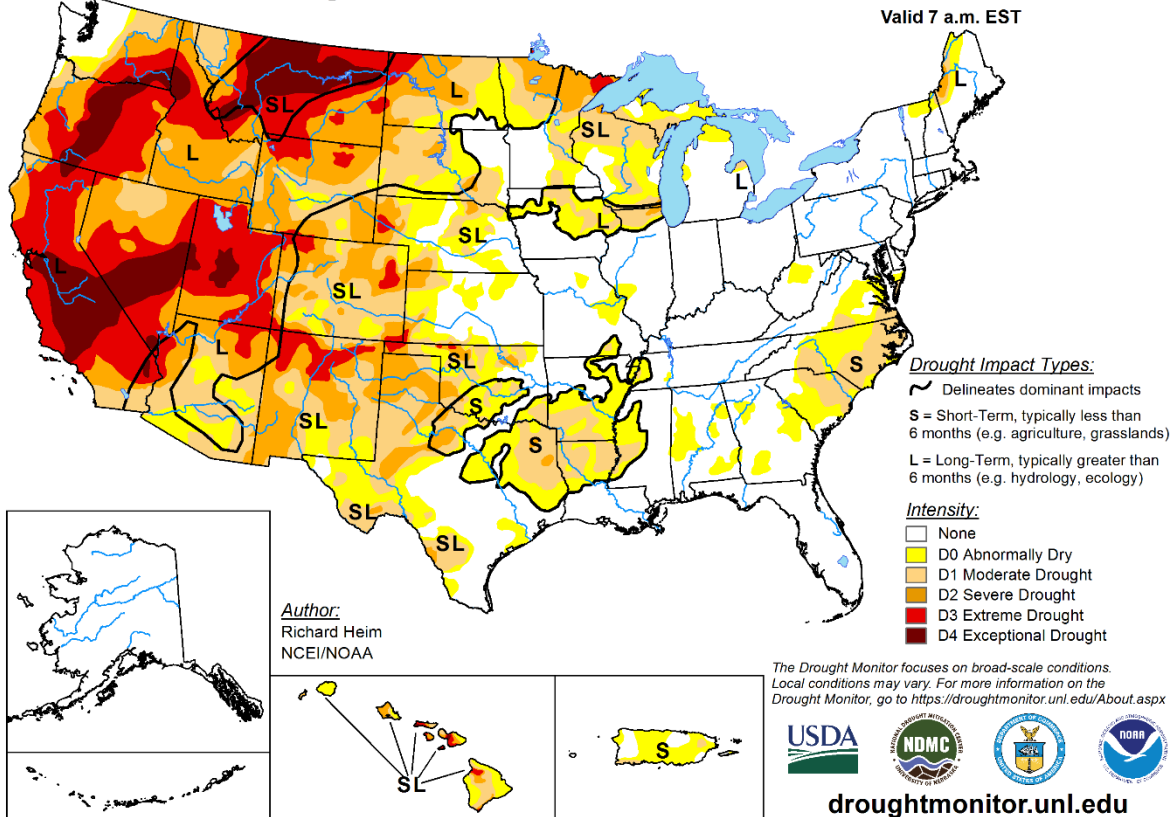


region on Thanksgiving Day, November 25, when **Houston, TX**, netted a daily-record total of 1.87 inches—the first measurable amount in that location since November 11. Meanwhile, periodic heavy rain continued to affect the **western Washington**, where daily-record totals for the 25th included 3.16 inches in **Quillayute** and 1.43 inches in **Bellingham**. Through the 27th, **Bellingham's** month-to-date rainfall climbed to 11.64 inches (248 percent of normal), surpassing the November 1990 record of 11.60 inches. In contrast, the November 1-27 period featured no measurable precipitation in locations such as **San Diego, CA**; **Phoenix, AZ**; **Cedar City, UT**; **Las Vegas, NV**; **Roswell, NM**; and **Amarillo and Midland, TX**. **San Diego** last received no measurable rainfall during November in 1980. In **Cedar City**, this year would mark only the second November on record—along with 2006—without measurable precipitation.

Extremely cold weather continued to grip the **Alaskan mainland**, while mild, wet weather covered the southeastern part of the state. On November 24 in **southeastern Alaska**, **Ketchikan** received rainfall totaling 2.75 inches and clocked a peak wind gust to 56 mph. However, for the second week in a row, temperatures averaged 20 to 30°F below normal in **southwestern Alaska**. **King Salmon** reported sub-zero minimum temperatures each day starting November 11, along with a daily-record low of -22°F on November 23. Daily-record lows were established on November 27 in **Kotzebue** (-27°F) and **Kodiak** (5°F). The cold spell further deepened by the morning of the 28th, when **King Salmon's** low of -28°F tied a monthly record previously set on November 28, 1917, and November 22, 1988. Elsewhere on the 28th, **Kotzebue** (-31°F) reported its lowest November reading since November 15, 1956, when it was -32°F. Farther south, warm, mostly dry conditions dominated **Hawaii**. **Honolulu, Oahu**, posted daily record-tying highs of 87°F on November 23 and 25. With dry weather in place, **Kahului, Maui**, collected a daily record-tying low of 60°F on the 25th. Through November 27, month-to-date rainfall at the state's major airport observation sites ranged from 0.04 inch (3 percent of normal) in **Kahului** to 3.41 inches (26 percent) in **Hilo**, on the **Big Island**.

U.S. Drought Monitor

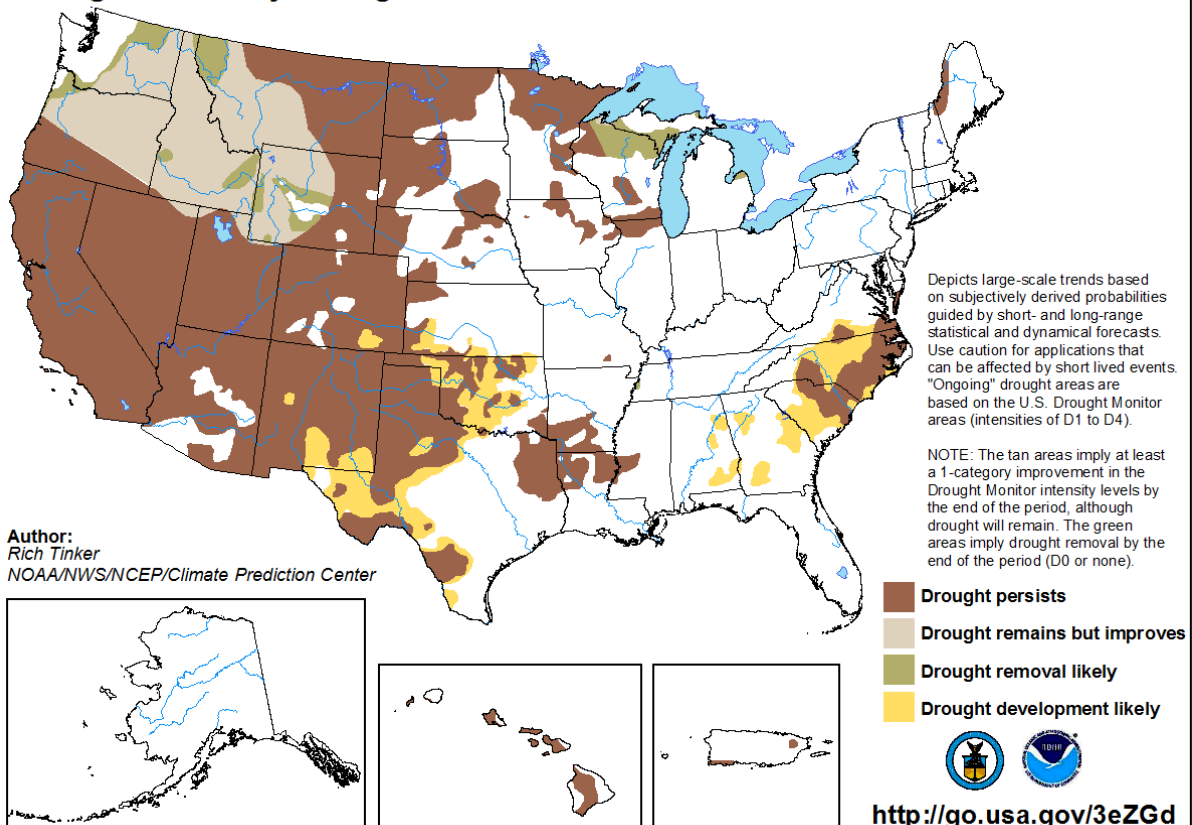
November 23, 2021
(Released Wednesday, Nov. 24, 2021)
Valid 7 a.m. EST



U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for December 2021
Released November 30, 2021



National Weather Data for Selected Cities

Weather Data for the Week Ending November 27, 2021

Data Provided by Climate Prediction Center

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | |
|---------------------------|-----------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------------|--------------------|----------------|--------------|---------------------|---------------------|
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN., SINCE SEP 1 | PCT. NORMAL SINCE SEP 1 | TOTAL IN., SINCE JAN 1 | PCT. NORMAL SINCE JAN 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| AK | ANCHORAGE | 13 | 1 | 20 | -7 | 7 | -13 | 0.08 | -0.19 | 0.07 | 4.25 | 70 | 13.67 | 88 | 76 | 52 | 0 | 7 | 2 | 0 |
| | BARROW | -2 | -10 | 4 | -19 | -6 | 0 | 0.01 | -0.04 | 0.01 | 2.91 | 206 | 6.38 | 136 | 79 | 70 | 0 | 7 | 1 | 0 |
| | FAIRBANKS | -4 | -19 | 3 | -27 | -12 | 0 | 0.06 | -0.09 | 0.06 | 2.09 | 80 | 12.61 | 122 | 71 | 57 | 0 | 7 | 1 | 0 |
| | JUNEAU | 39 | 32 | 44 | 25 | 35 | 3 | 2.72 | 1.32 | 1.01 | 24.87 | 109 | 70.28 | 126 | 89 | 78 | 0 | 3 | 7 | 2 |
| | KODIAK | 23 | 11 | 33 | 6 | 17 | -15 | 0.00 | -1.67 | 0.00 | 3.74 | 17 | 48.12 | 70 | 68 | 46 | 0 | 7 | 0 | 0 |
| AL | NOME | 5 | -9 | 14 | -21 | -2 | -16 | 0.00 | -0.27 | 0.00 | 3.91 | 75 | 19.22 | 122 | 72 | 52 | 0 | 7 | 0 | 0 |
| | BIRMINGHAM | 61 | 38 | 70 | 31 | 49 | -3 | 0.00 | -1.24 | 0.00 | 9.18 | 78 | 61.73 | 126 | 91 | 34 | 0 | 2 | 0 | 0 |
| | HUNTSVILLE | 58 | 31 | 65 | 25 | 44 | -6 | 1.04 | -0.24 | 0.70 | 10.88 | 93 | 58.05 | 120 | 93 | 33 | 0 | 5 | 2 | 1 |
| | MOBILE | 67 | 41 | 76 | 32 | 54 | -3 | 0.63 | -0.53 | 0.55 | 12.99 | 96 | 76.30 | 126 | 96 | 41 | 0 | 1 | 2 | 1 |
| | MONTGOMERY | 65 | 36 | 72 | 30 | 51 | -3 | 0.72 | -0.45 | 0.47 | 12.18 | 111 | 48.87 | 102 | 90 | 35 | 0 | 3 | 3 | 0 |
| AR | FORT SMITH | 63 | 36 | 68 | 29 | 49 | 2 | 0.51 | -0.49 | 0.39 | 13.04 | 104 | 44.78 | 107 | 90 | 36 | 0 | 2 | 2 | 0 |
| | LITTLE ROCK | 60 | 37 | 69 | 29 | 48 | -1 | 0.17 | -1.11 | 0.17 | 7.01 | 54 | 37.87 | 85 | 85 | 42 | 0 | 2 | 1 | 0 |
| AZ | FLAGSTAFF | 49 | 23 | 58 | 17 | 36 | 2 | 0.16 | -0.29 | 0.16 | 2.97 | 52 | 20.60 | 103 | 78 | 29 | 0 | 7 | 1 | 0 |
| | PHOENIX | 78 | 56 | 82 | 51 | 67 | 7 | 0.00 | -0.19 | 0.00 | 1.07 | 59 | 5.29 | 73 | 42 | 17 | 0 | 0 | 0 | 0 |
| CA | PRESCOTT | 59 | 29 | 65 | 22 | 44 | 1 | 0.03 | -0.21 | 0.03 | 3.08 | 92 | 11.61 | 88 | 73 | 22 | 0 | 6 | 1 | 0 |
| | TUCSON | 76 | 54 | 81 | 45 | 65 | 8 | 0.01 | -0.15 | 0.01 | 0.74 | 27 | 11.72 | 108 | 50 | 22 | 0 | 0 | 1 | 0 |
| | BAKERSFIELD | 64 | 42 | 70 | 37 | 53 | 1 | 0.00 | -0.17 | 0.00 | 0.95 | 94 | 2.92 | 52 | 86 | 42 | 0 | 0 | 0 | 0 |
| | EUREKA | 57 | 40 | 62 | 35 | 48 | -1 | 0.02 | -1.51 | 0.02 | 7.74 | 99 | 21.53 | 68 | 93 | 62 | 0 | 0 | 1 | 0 |
| | FRESNO | 64 | 42 | 67 | 39 | 53 | 2 | 0.00 | -0.27 | 0.00 | 1.56 | 85 | 6.67 | 68 | 95 | 52 | 0 | 0 | 0 | 0 |
| CO | LOS ANGELES | 77 | 54 | 87 | 51 | 66 | 6 | 0.00 | -0.31 | 0.00 | 0.46 | 25 | 3.80 | 35 | 70 | 16 | 0 | 0 | 0 | 0 |
| | REDDING | 67 | 39 | 72 | 34 | 53 | 5 | 0.00 | -1.22 | 0.00 | 8.58 | 129 | 17.77 | 64 | 80 | 29 | 0 | 0 | 0 | 0 |
| | SACRAMENTO | 64 | 39 | 67 | 36 | 52 | 1 | 0.00 | -0.55 | 0.00 | 7.44 | 240 | 11.93 | 79 | 99 | 46 | 0 | 0 | 0 | 0 |
| | SAN DIEGO | 77 | 52 | 96 | 46 | 64 | 5 | 0.00 | -0.29 | 0.00 | 1.48 | 89 | 5.22 | 59 | 81 | 26 | 1 | 0 | 0 | 0 |
| | SAN FRANCISCO | 65 | 48 | 67 | 47 | 56 | 3 | 0.00 | -0.64 | 0.00 | 6.40 | 197 | 11.83 | 71 | 85 | 44 | 0 | 0 | 0 | 0 |
| CT | STOCKTON | 65 | 39 | 68 | 36 | 52 | 2 | 0.00 | -0.41 | 0.00 | 4.29 | 160 | 10.20 | 86 | 96 | 50 | 0 | 0 | 0 | 0 |
| | ALAMOSA | 52 | 7 | 58 | -1 | 29 | 4 | 0.00 | -0.10 | 0.00 | 0.70 | 35 | 5.55 | 78 | 80 | 19 | 0 | 7 | 0 | 0 |
| | CO SPRINGS | 59 | 28 | 70 | 16 | 44 | 9 | 0.03 | -0.06 | 0.03 | 1.24 | 50 | 14.43 | 88 | 61 | 16 | 0 | 5 | 1 | 0 |
| | DENVER INTL | 62 | 28 | 71 | 16 | 44 | 10 | 0.00 | -0.11 | 0.00 | 0.44 | 16 | 11.34 | 80 | 60 | 14 | 0 | 5 | 0 | 0 |
| | GRAND JUNCTION | 49 | 23 | 52 | 20 | 36 | 1 | 0.00 | -0.16 | 0.00 | 3.44 | 116 | 7.60 | 84 | 72 | 27 | 0 | 7 | 0 | 0 |
| DC | PUEBLO | 62 | 24 | 72 | 17 | 43 | 8 | 0.02 | -0.09 | 0.02 | 1.10 | 56 | 16.05 | 130 | 74 | 19 | 0 | 6 | 1 | 0 |
| | BRIDGEPORT | 49 | 32 | 56 | 28 | 41 | -2 | 0.28 | -0.56 | 0.13 | 14.47 | 143 | 42.72 | 109 | 80 | 40 | 0 | 5 | 3 | 0 |
| | HARTFORD | 47 | 28 | 56 | 22 | 38 | -2 | 0.24 | -0.69 | 0.19 | 13.26 | 112 | 51.37 | 122 | 83 | 36 | 0 | 6 | 3 | 0 |
| | WASHINGTON | 51 | 34 | 59 | 30 | 42 | -4 | 0.17 | -0.57 | 0.07 | 8.28 | 83 | 41.72 | 115 | 75 | 35 | 0 | 2 | 4 | 0 |
| | WILMINGTON | 49 | 30 | 55 | 24 | 40 | -4 | 0.26 | -0.51 | 0.17 | 17.02 | 162 | 42.28 | 108 | 83 | 41 | 0 | 5 | 4 | 0 |
| FL | DAYTONA BEACH | 72 | 54 | 80 | 45 | 63 | -2 | 0.00 | -0.56 | 0.00 | 12.73 | 93 | 43.58 | 93 | 91 | 51 | 0 | 0 | 0 | 0 |
| | JACKSONVILLE | 67 | 44 | 74 | 35 | 55 | -5 | 0.16 | -0.28 | 0.16 | 12.01 | 85 | 49.22 | 99 | 96 | 51 | 0 | 0 | 1 | 0 |
| | KEY WEST | 77 | 68 | 81 | 64 | 73 | -2 | 0.46 | -0.02 | 0.46 | 8.60 | 62 | 28.44 | 76 | 91 | 66 | 0 | 0 | 1 | 0 |
| | MIAMI | 79 | 64 | 84 | 58 | 71 | -2 | 0.50 | -0.09 | 0.50 | 20.07 | 104 | 54.55 | 91 | 90 | 52 | 0 | 0 | 1 | 1 |
| | ORLANDO | 75 | 56 | 81 | 50 | 65 | -1 | 0.11 | -0.38 | 0.11 | 12.96 | 114 | 42.78 | 89 | 88 | 45 | 0 | 0 | 1 | 0 |
| GA | PENSACOLA | 68 | 47 | 74 | 37 | 57 | -1 | 0.29 | -0.76 | 0.22 | 24.54 | 158 | 84.97 | 140 | 87 | 43 | 0 | 0 | 2 | 0 |
| | TALLAHASSEE | 69 | 38 | 76 | 27 | 53 | -5 | 0.00 | -0.84 | 0.00 | 14.06 | 128 | 46.91 | 85 | 91 | 37 | 0 | 3 | 0 | 0 |
| | TAMPA | 76 | 57 | 83 | 50 | 67 | -1 | 0.04 | -0.31 | 0.04 | 12.16 | 122 | 48.07 | 110 | 82 | 42 | 0 | 0 | 1 | 0 |
| | WEST PALM BEACH | 78 | 61 | 83 | 52 | 69 | -2 | 0.04 | -0.88 | 0.04 | 22.06 | 123 | 49.32 | 84 | 95 | 50 | 0 | 0 | 1 | 0 |
| | ATHENS | 62 | 35 | 67 | 28 | 48 | -3 | 0.17 | -0.79 | 0.12 | 9.24 | 85 | 44.85 | 106 | 86 | 28 | 0 | 4 | 3 | 0 |
| HI | ATLANTA | 61 | 36 | 69 | 32 | 49 | -3 | 0.52 | -0.50 | 0.35 | 8.40 | 73 | 47.38 | 104 | 80 | 30 | 0 | 1 | 3 | 0 |
| | AUGUSTA | 65 | 31 | 72 | 23 | 48 | -5 | 0.09 | -0.61 | 0.08 | 8.26 | 92 | 48.78 | 122 | 92 | 29 | 0 | 5 | 2 | 0 |
| | COLUMBUS | 63 | 37 | 69 | 31 | 50 | -5 | 0.43 | -0.66 | 0.37 | 15.35 | 166 | 52.26 | 124 | 90 | 32 | 0 | 2 | 3 | 0 |
| | MACON | 65 | 34 | 70 | 27 | 49 | -4 | 0.12 | -0.71 | 0.09 | 11.41 | 123 | 45.44 | 110 | 94 | 34 | 0 | 4 | 2 | 0 |
| | SAVANNAH | 64 | 38 | 74 | 29 | 51 | -6 | 0.01 | -0.52 | 0.01 | 15.01 | 144 | 47.66 | 106 | 96 | 37 | 0 | 2 | 1 | 0 |
| IA | HILO | 81 | 67 | 83 | 65 | 74 | 1 | 1.11 | -2.43 | 0.88 | 21.54 | 63 | 109.44 | 96 | 89 | 58 | 0 | 0 | 5 | 1 |
| | HONOLULU | 85 | 71 | 87 | 68 | 78 | 2 | 0.01 | -0.50 | 0.01 | 0.24 | 5 | 9.83 | 71 | 78 | 43 | 0 | 0 | 1 | 0 |
| | KAHULUI | 85 | 66 | 87 | 62 | 75 | 0 | 0.00 | -0.61 | 0.00 | 0.67 | 19 | 15.22 | 106 | 82 | 51 | 0 | 0 | 0 | 0 |
| | LIHUE | 82 | 72 | 83 | 65 | 77 | 2 | 0.19 | -0.81 | 0.19 | 4.20 | 42 | 27.30 | 87 | 89 | 62 | 0 | 0 | 1 | 0 |
| | BURLINGTON | 49 | 24 | 60 | 14 | 37 | -1 | 0.00 | -0.57 | 0.00 | 7.35 | 83 | 36.93 | 102 | 76 | 37 | 0 | 6 | 0 | 0 |
| ID | CEDAR RAPIDS | 46 | 18 | 56 | 8 | 32 | -1 | 0.01 | -0.46 | 0.01 | 8.34 | 108 | 20.70 | 62 | 86 | 39 | 0 | 6 | 1 | 0 |
| | DES MOINES | 49 | 23 | 60 | 15 | 36 | 2 | 0.01 | -0.44 | 0.01 | 8.57 | 111 | 26.54 | 77 | 71 | 34 | 0 | 7 | 1 | 0 |
| | DUBUQUE | 44 | 21 | 52 | 12 | 32 | 0 | 0.02 | -0.52 | 0.02 | 6.31 | 77 | 27.47 | 80 | 79 | 40 | 0 | 6 | 1 | 0 |
| | SIOUX CITY | 50 | 23 | 68 | 16 | 37 | 6 | 0.00 | -0.30 | 0.00 | 5.31 | 84 | 21.50 | 80 | 73 | 34 | 0 | 7 | 0 | 0 |
| | WATERLOO | 47 | 22 | 59 | 14 | 34 | 3 | 0.00 | -0.43 | 0.00 | 6.41 | 92 | 23.09 | 69 | 72 | 35 | 0 | 7 | 0 | 0 |
| IL | BOISE | 47 | 28 | 52 | 25 | 38 | 1 | 0.08 | -0.27 | 0.08 | 3.11 | 121 | 10.25 | 100 | 86 | 53 | 0 | 7 | 1 | 0 |
| | LEWISTON | 52 | 37 | 58 | 31 | 45 | 6 | 0.15 | -0.11 | 0.11 | 3.07 | 113 | 6.52 | 57 | 79 | 45 | 0 | 2 | 2 | 0 |
| | POCATELLO | 47 | 20 | 52 | 14 | 34 | 3 | 0.00 | -0.29 | 0.00 | 3.28 | 118 | 9.67 | 88 | 86 | 37 | 0 | 7 | 0 | 0 |
| | CHICAGO/O'HARE | 44 | 26 | 55 | 18 | 35 | -1 | 0.04 | -0.70 | 0.04 | 7.67 | 84 | 26.67 | 78 | 74 | 40 | 0 | 6 | 1 | 0 |
| | MOLINE | 49 | 24 | 59 | 16 | 37 | 1 | 0.01 | -0.56 | 0.01 | 6.23 | 75 | 32.89 | 92 | 74 | 37 | 0 | 6 | 1 | 0 |
| IN | PEORIA | 47 | 25 | 58 | 18 | 36 | -1 | 0.21 | -0.51 | 0.13 | 11.10 | 126 | 41.79 | 124 | 76 | 42 | 0 | 6 | 3 | 0 |
| | ROCKFORD | 45 | 22 | 56 | 14 | 34 | -1 | 0.02 | -0.56 | 0.02 | 6.15 | 74 | 21.35 | | | | | | | |

Weather Data for the Week Ending November 27, 2021

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | |
|---------------------------|---------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|--------------------|---------------------------------|--------------|----------------|---------------------|---------------------|--|
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN., SINCE SEP 1 | PCT. NORMAL SINCE SEP 1 | TOTAL IN., SINCE JAN 1 | PCT. NORMAL SINCE JAN 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. | | |
| | | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE | |
| KY | WICHITA | 61 | 29 | 70 | 24 | 45 | 4 | 0.00 | -0.30 | 0.00 | 8.43 | 116 | 30.07 | 96 | 77 | 32 | 0 | 6 | 0 | 0 | |
| | LEXINGTON | 47 | 29 | 55 | 19 | 38 | -5 | 1.07 | 0.20 | 0.85 | 11.68 | 127 | 51.96 | 127 | 82 | 44 | 0 | 5 | 2 | 1 | |
| | LOUISVILLE | 50 | 31 | 59 | 26 | 41 | -5 | 0.62 | -0.28 | 0.33 | 10.03 | 106 | 43.43 | 106 | 79 | 40 | 0 | 5 | 2 | 0 | |
| | PADUCAH | 53 | 30 | 63 | 23 | 42 | -3 | 0.71 | -0.37 | 0.44 | 8.28 | 72 | 43.37 | 98 | 78 | 36 | 0 | 5 | 2 | 0 | |
| LA | BATON ROUGE | 68 | 44 | 78 | 34 | 56 | -6 | 0.41 | -0.37 | 0.40 | 10.64 | 81 | 73.65 | 135 | 96 | 46 | 0 | 0 | 2 | 0 | |
| | LAKE CHARLES | 69 | 48 | 78 | 41 | 58 | 0 | 0.56 | -0.43 | 0.35 | 11.37 | 80 | 67.20 | 128 | 92 | 50 | 0 | 0 | 2 | 0 | |
| | NEW ORLEANS | 69 | 51 | 79 | 43 | 60 | 0 | 0.31 | -0.76 | 0.28 | 12.28 | 98 | 79.49 | 140 | 92 | 47 | 0 | 0 | 2 | 0 | |
| | SHREVEPORT | 65 | 43 | 77 | 33 | 54 | 0 | 1.02 | 0.02 | 0.55 | 5.76 | 47 | 42.80 | 92 | 84 | 47 | 0 | 0 | 3 | 1 | |
| MA | BOSTON | 48 | 33 | 57 | 27 | 40 | -2 | 0.24 | -0.70 | 0.20 | 13.43 | 123 | 47.19 | 119 | 73 | 40 | 0 | 3 | 3 | 0 | |
| | WORCESTER | 43 | 28 | 51 | 23 | 35 | -2 | 0.28 | -0.74 | 0.14 | 16.37 | 130 | 53.64 | 122 | 81 | 44 | 0 | 6 | 3 | 0 | |
| MD | BALTIMORE | 50 | 31 | 57 | 28 | 41 | -3 | 0.16 | -0.62 | 0.08 | 12.57 | 122 | 39.48 | 103 | 82 | 33 | 0 | 5 | 4 | 0 | |
| ME | CARIBOU | 38 | 26 | 48 | 21 | 32 | 4 | 1.14 | 0.30 | 0.68 | 10.89 | 108 | 32.19 | 92 | 83 | 56 | 0 | 7 | 4 | 1 | |
| | PORTLAND | 45 | 28 | 54 | 23 | 37 | 0 | 1.17 | 0.06 | 0.47 | 14.68 | 112 | 40.11 | 93 | 88 | 49 | 0 | 5 | 4 | 0 | |
| MI | ALPENA | 37 | 21 | 48 | 8 | 29 | -4 | 0.25 | -0.23 | 0.11 | 5.63 | 76 | 23.69 | 90 | 89 | 61 | 0 | 7 | 5 | 0 | |
| | GRAND RAPIDS | 40 | 26 | 51 | 18 | 33 | -4 | 0.33 | -0.44 | 0.27 | 11.45 | 107 | 34.42 | 97 | 89 | 58 | 0 | 6 | 2 | 0 | |
| | HOUGHTON LAKE | 35 | 25 | 45 | 23 | 30 | -2 | 0.25 | -0.27 | 0.09 | 6.75 | 97 | 25.70 | 99 | 82 | 60 | 0 | 7 | 3 | 0 | |
| | LANSING | 41 | 26 | 53 | 19 | 34 | -3 | 0.49 | -0.13 | 0.24 | 9.84 | 115 | 32.06 | 108 | 82 | 52 | 0 | 6 | 3 | 0 | |
| MN | MUSKEGON | 44 | 28 | 53 | 19 | 35 | -2 | 0.15 | -0.60 | 0.10 | 6.76 | 67 | 28.15 | 92 | 78 | 50 | 0 | 6 | 4 | 0 | |
| | TRAVERSE CITY | 39 | 27 | 51 | 22 | 33 | -1 | 0.13 | -0.48 | 0.07 | 5.32 | 58 | 25.67 | 85 | 82 | 58 | 0 | 6 | 3 | 0 | |
| | DULUTH | 31 | 13 | 43 | 5 | 22 | -2 | 0.02 | -0.41 | 0.01 | 7.35 | 82 | 22.60 | 76 | 81 | 48 | 0 | 7 | 2 | 0 | |
| | INT_L FALLS | 29 | 8 | 41 | -5 | 19 | -1 | 0.07 | -0.20 | 0.04 | 7.70 | 121 | 17.94 | 77 | 84 | 51 | 0 | 7 | 2 | 0 | |
| MO | MINNEAPOLIS | 39 | 20 | 54 | 14 | 30 | 1 | 0.00 | -0.39 | 0.00 | 4.16 | 58 | 23.73 | 81 | 69 | 38 | 0 | 7 | 0 | 0 | |
| | ROCHESTER | 40 | 18 | 52 | 11 | 29 | 0 | 0.00 | -0.43 | 0.00 | 5.07 | 68 | 25.80 | 81 | 75 | 41 | 0 | 7 | 0 | 0 | |
| | ST. CLOUD | 37 | 16 | 53 | 8 | 27 | 1 | 0.00 | -0.30 | 0.00 | 7.47 | 103 | 23.63 | 88 | 77 | 42 | 0 | 7 | 0 | 0 | |
| | COLUMBIA | 55 | 31 | 62 | 20 | 43 | 3 | 0.73 | -0.03 | 0.62 | 10.36 | 102 | 48.13 | 120 | 75 | 36 | 0 | 5 | 2 | 1 | |
| MS | KANSAS CITY | 56 | 29 | 68 | 20 | 43 | 3 | 0.00 | -0.46 | 0.00 | 8.41 | 86 | 39.89 | 107 | 72 | 34 | 0 | 5 | 0 | 0 | |
| | SAINT LOUIS | 55 | 30 | 67 | 22 | 43 | 0 | 0.17 | -0.76 | 0.16 | 5.97 | 60 | 37.69 | 100 | 71 | 34 | 0 | 5 | 2 | 0 | |
| | SPRINGFIELD | 59 | 32 | 66 | 20 | 46 | 3 | 0.83 | -0.14 | 0.47 | 9.51 | 79 | 45.19 | 107 | 82 | 40 | 0 | 3 | 2 | 0 | |
| | JACKSON | 65 | 38 | 75 | 29 | 51 | -2 | 0.75 | -0.45 | 0.55 | 4.63 | 41 | 45.40 | 93 | 88 | 41 | 0 | 1 | 3 | 1 | |
| MT | MERIDIAN | 66 | 37 | 76 | 31 | 51 | -1 | 0.49 | -0.74 | 0.24 | 9.90 | 86 | 64.00 | 126 | 90 | 35 | 0 | 2 | 3 | 0 | |
| | TUPELO | 59 | 35 | 67 | 29 | 47 | -3 | 1.61 | 0.31 | 1.24 | 7.41 | 63 | 65.26 | 135 | 88 | 35 | 0 | 3 | 2 | 1 | |
| | BILLINGS | 53 | 33 | 62 | 20 | 43 | 11 | 0.13 | -0.01 | 0.13 | 1.69 | 54 | 8.96 | 67 | 68 | 30 | 0 | 3 | 1 | 0 | |
| | BUTTE | 46 | 21 | 54 | 10 | 34 | 10 | 0.00 | -0.13 | 0.00 | 0.86 | 36 | 5.78 | 47 | 71 | 28 | 0 | 6 | 0 | 0 | |
| NC | CUT BANK | 46 | 25 | 53 | 14 | 36 | 9 | 0.04 | -0.05 | 0.03 | 0.52 | 25 | 5.16 | 47 | 75 | 35 | 0 | 5 | 2 | 0 | |
| | GLASGOW | 44 | 21 | 56 | 10 | 32 | 8 | 0.01 | -0.08 | 0.01 | 0.55 | 25 | 5.20 | 45 | 81 | 46 | 0 | 6 | 1 | 0 | |
| | GREAT FALLS | 50 | 30 | 57 | 21 | 40 | 10 | 0.27 | 0.14 | 0.25 | 0.64 | 23 | 10.33 | 73 | 69 | 29 | 0 | 4 | 2 | 0 | |
| | HAVRE | 46 | 22 | 60 | 11 | 34 | 8 | 0.25 | 0.15 | 0.19 | 1.09 | 51 | 6.81 | 62 | 85 | 43 | 0 | 7 | 2 | 0 | |
| ND | MISSOULA | 44 | 26 | 53 | 18 | 35 | 6 | 0.04 | -0.21 | 0.02 | 2.42 | 80 | 9.76 | 74 | 88 | 55 | 0 | 5 | 2 | 0 | |
| | ASHEVILLE | 54 | 27 | 63 | 21 | 40 | -5 | 0.11 | -0.83 | 0.11 | 8.87 | 89 | 53.34 | 128 | 87 | 32 | 0 | 7 | 1 | 0 | |
| | CHARLOTTE | 59 | 29 | 64 | 23 | 44 | -4 | 0.28 | -0.48 | 0.24 | 4.77 | 50 | 32.91 | 86 | 87 | 26 | 0 | 6 | 2 | 0 | |
| | GREENSBORO | 54 | 29 | 62 | 24 | 41 | -6 | 0.06 | -0.65 | 0.04 | 6.61 | 65 | 37.22 | 96 | 76 | 27 | 0 | 6 | 2 | 0 | |
| NE | HATTERAS | 59 | 43 | 73 | 33 | 51 | -4 | 0.27 | -0.77 | 0.21 | 12.81 | 79 | 56.66 | 106 | 81 | 45 | 0 | 0 | 2 | 0 | |
| | RALEIGH | 56 | 30 | 64 | 24 | 43 | -7 | 0.65 | -0.07 | 0.51 | 11.04 | 106 | 41.94 | 105 | 88 | 32 | 0 | 5 | 2 | 1 | |
| | WILMINGTON | 63 | 35 | 75 | 27 | 49 | -6 | 0.24 | -0.56 | 0.16 | 12.24 | 83 | 57.36 | 107 | 89 | 38 | 0 | 4 | 2 | 0 | |
| | BISMARCK | 44 | 15 | 59 | 2 | 30 | 5 | 0.00 | -0.13 | 0.00 | 4.59 | 130 | 11.20 | 64 | 86 | 43 | 0 | 7 | 0 | 0 | |
| ND | DICKINSON | 44 | 18 | 59 | 1 | 31 | 6 | 0.00 | -0.09 | 0.00 | 3.22 | 98 | 12.76 | 81 | 79 | 42 | 0 | 7 | 0 | 0 | |
| | FARGO | 36 | 15 | 48 | 2 | 25 | 2 | 0.00 | -0.21 | 0.00 | 6.81 | 120 | 16.51 | 76 | 78 | 48 | 0 | 7 | 0 | 0 | |
| | GRAND FORKS | 32 | 12 | 42 | -1 | 22 | 1 | 0.00 | -0.16 | 0.00 | 5.87 | 119 | 17.69 | 87 | 84 | 61 | 0 | 7 | 0 | 0 | |
| | JAMESTOWN | 41 | 15 | 54 | 0 | 28 | 5 | 0.01 | -0.10 | 0.01 | 4.18 | 101 | 11.24 | 61 | 81 | 46 | 0 | 7 | 1 | 0 | |
| NE | GRAND ISLAND | 57 | 29 | 71 | 19 | 43 | 10 | 0.00 | -0.25 | 0.00 | 3.91 | 75 | 26.44 | 101 | 72 | 28 | 0 | 5 | 0 | 0 | |
| | LINCOLN | 56 | 28 | 70 | 22 | 42 | 8 | 0.00 | -0.30 | 0.00 | 5.13 | 81 | 25.71 | 92 | 73 | 31 | 0 | 6 | 0 | 0 | |
| | NORFOLK | 55 | 27 | 71 | 19 | 41 | 9 | 0.00 | -0.29 | 0.00 | 3.94 | 65 | 24.46 | 92 | 71 | 30 | 0 | 7 | 0 | 0 | |
| | NORTH PLATTE | 61 | 20 | 69 | 11 | 40 | 9 | 0.00 | -0.12 | 0.00 | 3.24 | 90 | 22.00 | 110 | 81 | 20 | 0 | 7 | 0 | 0 | |
| NH | OMAHA | 53 | 28 | 67 | 23 | 41 | 6 | 0.00 | -0.35 | 0.00 | 7.62 | 120 | 32.20 | 109 | 73 | 34 | 0 | 6 | 0 | 0 | |
| | SCOTTSBLUFF | 59 | 23 | 69 | 12 | 41 | 10 | 0.00 | -0.14 | 0.00 | 2.24 | 76 | 9.63 | 63 | 72 | 21 | 0 | 6 | 0 | 0 | |
| | VALENTINE | 56 | 27 | 77 | 23 | 42 | 11 | 0.00 | -0.09 | 0.00 | 5.04 | 144 | 20.57 | 104 | 67 | 26 | 0 | 4 | 0 | 0 | |
| | CONCORD | 43 | 27 | 51 | 22 | 35 | 0 | 0.44 | -0.40 | 0.38 | 9.55 | 88 | 38.00 | 103 | 86 | 47 | 0 | 5 | 3 | 0 | |
| NJ | ATLANTIC_CITY | 51 | 32 | 58 | 23 | 41 | -3 | 0.40 | -0.38 | 0.35 | 9.76 | 103 | 44.89 | 119 | 86 | 44 | 0 | 4 | 3 | 0 | |
| | NEWARK | 51 | 36 | 59 | 32 | 43 | -1 | 0.11 | -0.76 | 0.07 | 16.08 | 151 | 52.41 | 124 | 72 | 35 | 0 | 1 | 4 | 0 | |
| NM | ALBUQUERQUE | 56 | 34 | 62 | 28 | 45 | 3 | 0.12 | -0.01 | 0.12 | 1.29 | 48 | 5.16 | 57 | 67 | 28 | 0 | 3 | 1 | 0 | |
| NV | ELY | 52 | 13 | 62 | 5 | 33 | 3 | 0.00 | -0.14 | 0.00 | 1.47 | 57 | 6.09 | 64 | 66 | 13 | 0 | 7 | 0 | 0 | |
| | LAS VEGAS | 66 | 46 | 70 | 41 | 56 | 3 | 0.00 | -0.10 | 0.00 | 0.19 | 19 | 1.33 | 33 | 26 | 10 | 0 | 0 | 0 | 0 | |
| NY | RENO | 55 | 27 | 61 | 23 | 41 | 1 | 0.00 | -0.22 | 0.00 | 3.28 | 197 | 5.02 | 77 | 74 | 25 | 0 | 7 | 0 | 0 | |
| | WINNEMUCCA | 53 | 17 | 58 | 12 | 35 | 1 | 0.00 | -0.23 | 0.00 | 3.17 | 161 | 8.00 | 107 | 80 | 24 | 0 | 7 | 0 | 0 | |
| | ALBANY | 42 | 27 | 49 | 19 | 34 | -3 | 0.26 | -0.52 | 0.21 | 14.55 | 147 | 41.58 | 115 | 86 | 51 | 0 | 6 | 3 | 0 | |
| | BINGHAMTON | 38 | 25 | 45 | 19 | 31 | -4 | 0.25 | -0.52 | 0.18 | 11.72 | 124 | 46.28 | 130 | 92 | 56 | 0 | 7 | 4 | 0 | |
| OH | BUFFALO | 43 | 32 | 50 | 28 | 38 | 0 | 0.68 | -0.26 | 0.32 | 13.76 | 124 | 34.05 | 94 | 82 | 48 | 0 | 5 | 5 | 0 | |
| | ROCHESTER | 43 | 31 | 49 | 24 | 37 | | | | | | | | | | | | | | | |

Weather Data for the Week Ending November 27, 2021

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | |
|---------------------------|----------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------------|--------------------|----------------|--------------|---------------------|---------------------|
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN., SINCE SEP 1 | PCT. NORMAL SINCE SEP 1 | TOTAL IN., SINCE JAN 1 | PCT. NORMAL SINCE JAN 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| OK | TOLEDO | 46 | 31 | 56 | 25 | 38 | 0 | 0.53 | -0.15 | 0.22 | 14.79 | 187 | 38.56 | 124 | 73 | 43 | 0 | 4 | 4 | 0 |
| | YOUNGSTOWN | 41 | 28 | 48 | 24 | 35 | -4 | 0.57 | -0.20 | 0.23 | 9.05 | 97 | 41.06 | 115 | 84 | 51 | 0 | 6 | 5 | 0 |
| | OKLAHOMA CITY | 62 | 33 | 70 | 23 | 48 | 1 | 0.00 | -0.39 | 0.00 | 4.57 | 47 | 28.18 | 81 | 78 | 28 | 0 | 3 | 0 | 0 |
| OR | TULSA | 63 | 36 | 71 | 27 | 50 | 3 | 0.23 | -0.32 | 0.23 | 7.84 | 73 | 35.63 | 93 | 81 | 33 | 0 | 3 | 1 | 0 |
| | ASTORIA | 51 | 39 | 57 | 31 | 45 | 0 | 2.28 | -0.52 | 0.63 | 25.57 | 141 | 63.81 | 113 | 98 | 77 | 0 | 1 | 6 | 2 |
| | BURNS | 47 | 20 | 54 | 17 | 34 | 4 | 0.02 | -0.28 | 0.02 | 2.80 | 121 | 8.44 | 89 | 88 | 42 | 0 | 7 | 1 | 0 |
| PA | EUGENE | 53 | 38 | 62 | 29 | 45 | 2 | 0.41 | -1.61 | 0.27 | 10.35 | 91 | 24.75 | 66 | 99 | 71 | 0 | 2 | 4 | 0 |
| | MEDFORD | 52 | 34 | 58 | 28 | 43 | 1 | 0.02 | -0.76 | 0.02 | 5.10 | 117 | 11.46 | 78 | 99 | 54 | 0 | 3 | 1 | 0 |
| | PENDLETON | 49 | 33 | 65 | 25 | 41 | 3 | 0.07 | -0.30 | 0.07 | 2.85 | 95 | 7.10 | 63 | 92 | 57 | 0 | 4 | 1 | 0 |
| RI | PORTLAND | 52 | 41 | 63 | 34 | 47 | 2 | 0.95 | -0.46 | 0.45 | 13.57 | 143 | 28.21 | 94 | 93 | 69 | 0 | 0 | 5 | 0 |
| | SALEM | 52 | 39 | 65 | 30 | 45 | 2 | 0.67 | -1.00 | 0.35 | 10.72 | 106 | 29.77 | 92 | 97 | 71 | 0 | 1 | 4 | 0 |
| | ALLENTOWN | 46 | 29 | 54 | 24 | 37 | -2 | 0.11 | -0.76 | 0.07 | 10.39 | 89 | 39.03 | 94 | 84 | 41 | 0 | 5 | 2 | 0 |
| SC | ERIE | 44 | 33 | 49 | 28 | 38 | -2 | 0.78 | -0.16 | 0.23 | 12.93 | 106 | 37.32 | 98 | 76 | 47 | 0 | 4 | 6 | 0 |
| | MIDDLETOWN | 47 | 31 | 53 | 28 | 39 | -1 | 0.10 | -0.70 | 0.05 | 15.10 | 148 | 44.64 | 120 | 81 | 39 | 0 | 5 | 5 | 0 |
| | PHILADELPHIA | 50 | 36 | 57 | 29 | 43 | -2 | 0.20 | -0.53 | 0.15 | 9.70 | 101 | 41.55 | 111 | 75 | 38 | 0 | 2 | 3 | 0 |
| SD | PITTSBURGH | 42 | 28 | 49 | 21 | 35 | -5 | 0.20 | -0.56 | 0.11 | 8.09 | 97 | 34.29 | 98 | 86 | 43 | 0 | 5 | 4 | 0 |
| | WILKES-BARRE | 44 | 28 | 55 | 22 | 36 | -2 | 0.28 | -0.45 | 0.17 | 14.98 | 159 | 42.10 | 122 | 87 | 45 | 0 | 6 | 4 | 0 |
| | WILLIAMSPORT | 44 | 28 | 49 | 22 | 36 | -3 | 0.12 | -0.81 | 0.06 | 15.83 | 144 | 42.82 | 113 | 84 | 43 | 0 | 5 | 3 | 0 |
| TN | PROVIDENCE | 50 | 31 | 59 | 27 | 41 | -1 | 0.26 | -0.85 | 0.14 | 12.93 | 108 | 44.39 | 104 | 76 | 40 | 0 | 4 | 2 | 0 |
| | CHARLESTON | 63 | 35 | 75 | 28 | 49 | -7 | 0.04 | -0.50 | 0.03 | 12.09 | 100 | 53.83 | 113 | 92 | 36 | 0 | 3 | 2 | 0 |
| | COLUMBIA | 62 | 31 | 70 | 25 | 46 | -6 | 0.14 | -0.53 | 0.12 | 5.81 | 63 | 43.55 | 106 | 91 | 28 | 0 | 5 | 2 | 0 |
| TX | FLORENCE | 62 | 32 | 73 | 25 | 47 | -6 | 0.18 | -0.46 | 0.12 | 3.66 | 40 | 38.94 | 98 | 82 | 26 | 0 | 4 | 2 | 0 |
| | GREENVILLE | 58 | 32 | 63 | 25 | 45 | -5 | 0.16 | -0.78 | 0.15 | 7.21 | 71 | 40.39 | 95 | 80 | 26 | 0 | 3 | 2 | 0 |
| | ABERDEEN | 43 | 16 | 55 | 3 | 29 | 5 | 0.00 | -0.15 | 0.00 | 6.60 | 135 | 18.07 | 85 | 80 | 41 | 0 | 7 | 0 | 0 |
| UT | HURON | 46 | 19 | 61 | 5 | 32 | 5 | 0.00 | -0.17 | 0.00 | 8.26 | 162 | 18.57 | 83 | 80 | 40 | 0 | 7 | 0 | 0 |
| | RAPID CITY | 54 | 22 | 69 | 11 | 38 | 7 | 0.00 | -0.10 | 0.00 | 3.58 | 111 | 15.12 | 94 | 79 | 31 | 0 | 7 | 0 | 0 |
| | SIOUX FALLS | 47 | 21 | 68 | 12 | 34 | 6 | 0.00 | -0.31 | 0.00 | 5.72 | 92 | 25.38 | 99 | 76 | 38 | 0 | 7 | 0 | 0 |
| VA | BRISTOL | 51 | 25 | 56 | 20 | 38 | -6 | 0.50 | -0.27 | 0.25 | 6.61 | 84 | 38.04 | 102 | 90 | 32 | 0 | 7 | 4 | 0 |
| | CHATTANOOGA | 57 | 30 | 64 | 26 | 44 | -5 | 0.42 | -0.88 | 0.24 | 12.09 | 103 | 57.76 | 122 | 89 | 31 | 0 | 5 | 3 | 0 |
| | KNOXVILLE | 54 | 28 | 61 | 24 | 41 | -6 | 0.80 | -0.24 | 0.50 | 6.96 | 75 | 42.09 | 98 | 94 | 33 | 0 | 7 | 3 | 1 |
| WV | MEMPHIS | 57 | 37 | 67 | 29 | 47 | -3 | 0.89 | -0.52 | 0.44 | 8.79 | 73 | 47.67 | 100 | 81 | 42 | 0 | 1 | 2 | 0 |
| | NASHVILLE | 54 | 32 | 62 | 25 | 43 | -4 | 0.65 | -0.48 | 0.36 | 9.96 | 97 | 54.08 | 127 | 79 | 31 | 0 | 5 | 2 | 0 |
| | ABILENE | 66 | 41 | 76 | 31 | 54 | 3 | 0.07 | -0.20 | 0.07 | 4.31 | 66 | 20.66 | 88 | 72 | 27 | 0 | 1 | 1 | 0 |
| WY | AMARILLO | 65 | 32 | 72 | 27 | 49 | 6 | 0.00 | -0.16 | 0.00 | 1.29 | 29 | 14.36 | 73 | 65 | 19 | 0 | 3 | 0 | 0 |
| | AUSTIN | 68 | 47 | 78 | 39 | 58 | 0 | 0.67 | 0.05 | 0.60 | 8.22 | 94 | 32.87 | 106 | 86 | 38 | 0 | 0 | 2 | 1 |
| | BEAUMONT | 70 | 51 | 79 | 44 | 60 | 1 | 1.46 | 0.47 | 1.30 | 17.92 | 115 | 63.82 | 116 | 95 | 54 | 0 | 0 | 2 | 1 |
| WY | BROWNSVILLE | 76 | 59 | 86 | 54 | 68 | 1 | 0.28 | -0.07 | 0.16 | 17.52 | 154 | 35.24 | 134 | 91 | 61 | 0 | 0 | 2 | 0 |
| | CORPUS CHRISTI | 73 | 53 | 85 | 43 | 63 | -1 | 0.44 | 0.07 | 0.31 | 12.71 | 121 | 42.74 | 143 | 90 | 55 | 0 | 0 | 3 | 0 |
| | DEL RIO | 71 | 52 | 80 | 46 | 62 | 5 | 0.11 | -0.09 | 0.10 | 0.96 | 18 | 13.96 | 75 | 78 | 35 | 0 | 0 | 2 | 0 |
| WY | EL PASO | 63 | 44 | 70 | 34 | 53 | 4 | 0.34 | 0.22 | 0.27 | 0.91 | 35 | 11.54 | 127 | 62 | 27 | 0 | 0 | 4 | 0 |
| | FORT WORTH | 66 | 44 | 77 | 35 | 55 | 2 | 0.61 | 0.09 | 0.61 | 7.27 | 78 | 32.59 | 97 | 83 | 35 | 0 | 0 | 1 | 1 |
| | GALVESTON | 72 | 61 | 80 | 52 | 66 | 4 | 0.22 | 0.00 | 0.09 | 12.30 | 0 | 40.69 | 0 | 78 | 54 | 0 | 0 | 3 | 0 |
| WY | HOUSTON | 71 | 49 | 81 | 43 | 60 | 0 | 2.00 | 1.03 | 1.87 | 15.63 | 113 | 48.00 | 105 | 89 | 47 | 0 | 0 | 3 | 1 |
| | LUBBOCK | 64 | 34 | 74 | 28 | 49 | 3 | 0.38 | 0.20 | 0.38 | 1.59 | 30 | 19.92 | 108 | 63 | 21 | 0 | 3 | 1 | 0 |
| | MIDLAND | 65 | 39 | 73 | 29 | 52 | 3 | 0.00 | -0.15 | 0.00 | 0.16 | 3 | 13.59 | 97 | 64 | 23 | 0 | 2 | 0 | 0 |
| WY | SAN ANGELO | 68 | 41 | 76 | 31 | 55 | 3 | 0.00 | -0.20 | 0.00 | 4.02 | 64 | 22.93 | 112 | 76 | 28 | 0 | 1 | 0 | 0 |
| | SAN ANTONIO | 68 | 49 | 76 | 38 | 58 | 0 | 0.70 | 0.26 | 0.39 | 10.17 | 110 | 32.59 | 108 | 84 | 39 | 0 | 0 | 2 | 0 |
| | VICTORIA | 72 | 48 | 84 | 37 | 60 | 0 | 1.19 | 0.47 | 0.63 | 7.98 | 68 | 54.33 | 140 | 91 | 52 | 0 | 0 | 2 | 2 |
| WY | WACO | 68 | 44 | 78 | 32 | 56 | 1 | 0.41 | -0.17 | 0.41 | 5.67 | 59 | 28.56 | 90 | 87 | 38 | 0 | 1 | 1 | 0 |
| | WICHITA FALLS | 67 | 37 | 75 | 23 | 52 | 3 | 0.00 | -0.32 | 0.00 | 3.13 | 42 | 24.75 | 91 | 81 | 27 | 0 | 3 | 0 | 0 |
| | SALT LAKE CITY | 47 | 28 | 50 | 26 | 37 | 1 | 0.00 | -0.32 | 0.00 | 3.84 | 93 | 13.09 | 89 | 83 | 44 | 0 | 7 | 0 | 0 |
| WY | LYNCHBURG | 53 | 26 | 65 | 20 | 40 | -4 | 0.07 | -0.72 | 0.03 | 6.35 | 63 | 32.06 | 84 | 79 | 28 | 0 | 6 | 3 | 0 |
| | NORFOLK | 52 | 35 | 59 | 30 | 44 | -7 | 0.23 | -0.48 | 0.15 | 5.79 | 52 | 35.26 | 82 | 83 | 42 | 0 | 3 | 2 | 0 |
| | RICHMOND | 54 | 30 | 63 | 25 | 42 | -6 | 0.23 | -0.52 | 0.19 | 12.03 | 120 | 45.87 | 114 | 82 | 32 | 0 | 5 | 2 | 0 |
| WY | ROANOKE | 52 | 29 | 67 | 24 | 41 | -5 | 0.00 | -0.78 | 0.00 | 8.89 | 90 | 36.77 | 97 | 69 | 31 | 0 | 6 | 0 | 0 |
| | WASH/DULLES | 50 | 28 | 60 | 22 | 39 | -4 | 0.12 | -0.68 | 0.06 | 9.81 | 96 | 33.89 | 89 | 82 | 35 | 0 | 7 | 3 | 0 |
| | BURLINGTON | 40 | 28 | 49 | 20 | 34 | -1 | 0.89 | 0.20 | 0.70 | 11.63 | 115 | 32.04 | 94 | 85 | 50 | 0 | 6 | 5 | 1 |
| WY | OLYMPIA | 49 | 38 | 58 | 32 | 44 | 2 | 1.67 | -0.44 | 0.74 | 18.80 | 133 | 46.89 | 112 | 99 | 79 | 0 | 2 | 6 | 2 |
| | QUILLAYUTE | 50 | 38 | 54 | 30 | 44 | 1 | 4.74 | 1.03 | 3.13 | 49.84 | 176 | 93.49 | 110 | 100 | 84 | 0 | 1 | 6 | 2 |
| | SEATTLE-TACOMA | 49 | 40 | 58 | 34 | 45 | 1 | 2.19 | 0.63 | 0.89 | 18.54 | 170 | 38.35 | 122 | 97 | 75 | 0 | 0 | 6 | 2 |
| WY | SPOKANE | 43 | 32 | 51 | 28 | 37 | 5 | 0.49 | -0.08 | 0.25 | 4.96 | 127 | 9.86 | 70 | 98 | 68 | 0 | 5 | 3 | 0 |
| | YAKIMA | 45 | 31 | 62 | 25 | 38 | 4 | 0.17 | -0.10 | 0.15 | 2.71 | 143 | 5.45 | 79 | 95 | 65 | 0 | 5 | 2 | 0 |
| | EAU CLAIRE | 39 | 17 | 54 | 8 | 28 | 0 | 0.00 | -0.41 | 0.00 | 4.44 | 58 | 22.06 | 74 | 75 | 35 | 0 | 6 | 0 | 0 |
| WY | GREEN BAY | 39 | 22 | 48 | 14 | 30 | 0 | 0.06 | -0.44 | 0.03 | 2.70 | 36 | 26.25 | 94 | 77 | 44 | 0 | 6 | 3 | 0 |
| | LA CROSSE | 43 | 23 | 57 | 14 | 33 | 2 | 0.00 | -0.47 | 0.00 | 4.06 | 54 | 34.10 | 108 | 72 | 36 | 0 | 6 | 0 | 0 |
| | MADISON | | | | | | | | | | | | | | | | | | | |

National Agricultural Summary

November 22 – 28, 2021

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Most of the nation was drier than normal during the week ending November 28. In contrast, parts of Colorado, Montana, New Mexico, Texas, and Washington recorded at least twice the normal amount of precipitation. Parts of coastal Washington recorded weekly rainfall totaling 7 inches or more. Meanwhile, much of the western half of the country

recorded above-normal weekly temperatures. Large sections of Montana and Wyoming recorded temperatures 9°F or more above normal. Conversely, most of the eastern half of the nation was cooler than normal. Parts of the mid Atlantic, Ohio Valley, and Southeast recorded temperatures 6°F or more below normal for the week.

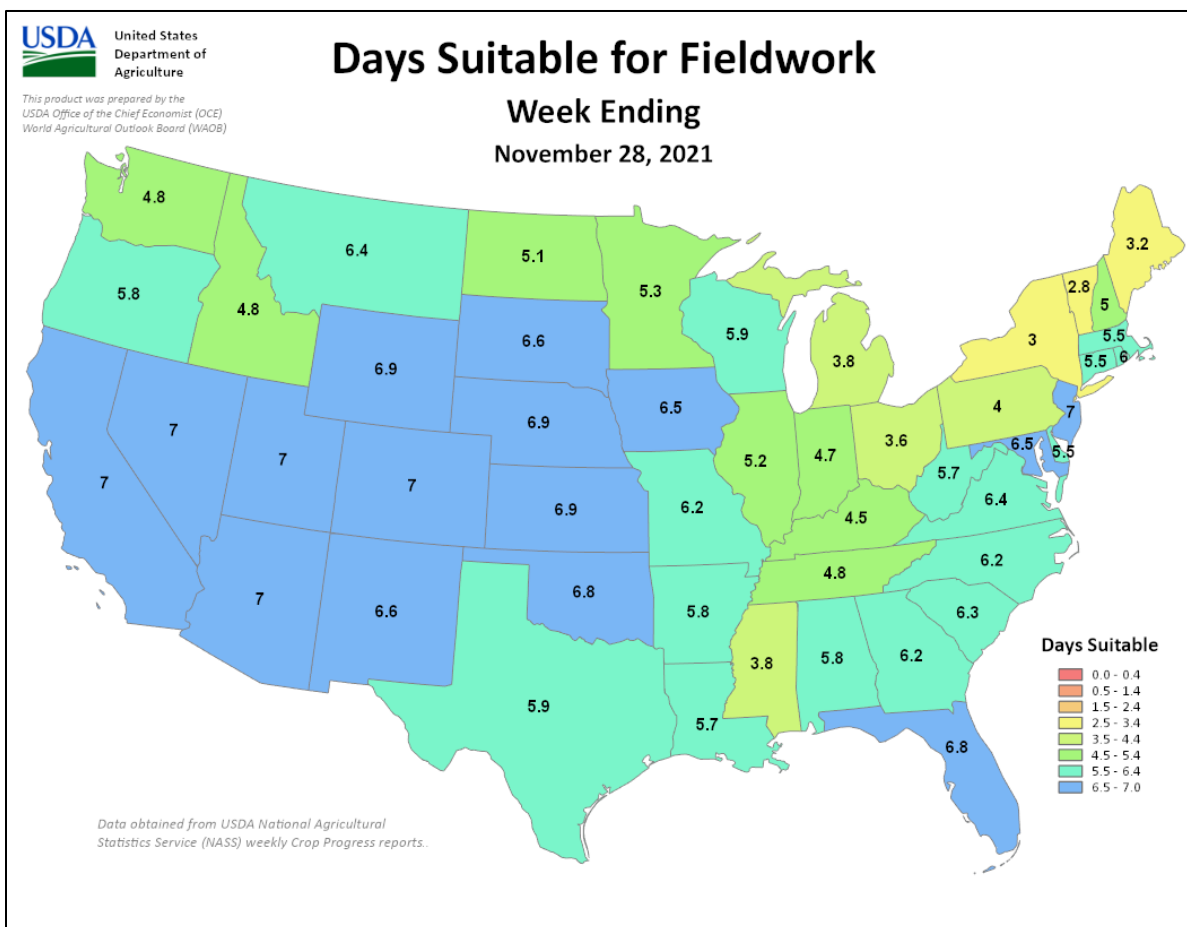
Winter Wheat: Nationwide, 92 percent of the winter wheat acreage had emerged by November 28, equal to last year but 1 percentage point ahead of the 5-year average. Winter wheat emergence advanced by 10 percentage points or more during the week in Arkansas, California, Illinois, and North Carolina. As of November 28, forty-four percent of the 2022 winter wheat acreage was reported in good to excellent condition, unchanged from the previous week but 2 percentage points below the same time last year.

Cotton: By November 28, eighty-five percent of the nation's cotton acreage had been harvested, 2 percentage points ahead of last year and 6 points ahead of the 5-year average. Cotton harvest advanced 10 percentage points or more during the week in six of the 15 estimating states.

Sorghum: Ninety-seven percent of the 2021 sorghum acreage had been harvested by November 28, two percentage points behind last year but 1 point ahead of the 5-year average. Harvest progress was complete or nearing completion in all estimating states.

Other Crops: Ninety-six percent of the nation's peanut acreage was harvested as of November 28, equal to both last year and the 5-year average. Harvest progress was complete or nearing completion in seven of the eight estimating states.

By November 28, ninety-four percent of this year's sunflower crop was harvested, 2 percentage points behind last year but 8 points ahead of the 5-year average. Harvest progress was ahead of the 5-year average pace in all estimating states.



Crop Progress and Condition**Week Ending November 28, 2021**

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

| Cotton Percent Harvested | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Nov 28 2021 | 5-Yr Avg |
| AL | 88 | 78 | 85 | 86 |
| AZ | 74 | 71 | 78 | 74 |
| AR | 100 | 97 | 99 | 99 |
| CA | 89 | 97 | 99 | 87 |
| GA | 79 | 67 | 76 | 83 |
| KS | 60 | 47 | 70 | 60 |
| LA | 100 | 98 | 100 | 100 |
| MS | 98 | 91 | 96 | 97 |
| MO | 94 | 94 | 97 | 97 |
| NC | 73 | 82 | 89 | 85 |
| OK | 78 | 74 | 84 | 76 |
| SC | 76 | 67 | 80 | 82 |
| TN | 95 | 83 | 93 | 95 |
| TX | 81 | 70 | 82 | 69 |
| VA | 60 | 74 | 86 | 87 |
| 15 Sts | 83 | 75 | 85 | 79 |
| These 15 States harvested 99% of last year's cotton acreage. | | | | |

| Sorghum Percent Harvested | | | | |
|--|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Nov 28 2021 | 5-Yr Avg |
| CO | 100 | 99 | 100 | 96 |
| KS | 97 | 91 | 95 | 94 |
| NE | 100 | 95 | 98 | 98 |
| OK | 95 | 93 | 98 | 94 |
| SD | 100 | 94 | 95 | 95 |
| TX | 100 | 100 | 100 | 98 |
| 6 Sts | 99 | 94 | 97 | 96 |
| These 6 States harvested 100% of last year's sorghum acreage. | | | | |

| Sunflowers Percent Harvested | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Nov 28 2021 | 5-Yr Avg |
| CO | 100 | 94 | 97 | 96 |
| KS | 98 | 93 | 95 | 93 |
| ND | 98 | 90 | 96 | 84 |
| SD | 95 | 90 | 92 | 86 |
| 4 Sts | 96 | 90 | 94 | 86 |
| These 4 States harvested 87% of last year's sunflower acreage. | | | | |

| Peanuts Percent Harvested | | | | |
|--|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Nov 28 2021 | 5-Yr Avg |
| AL | 98 | 94 | 97 | 97 |
| FL | 100 | 99 | 100 | 100 |
| GA | 98 | 94 | 97 | 98 |
| NC | 91 | 96 | 98 | 95 |
| OK | 95 | 91 | 96 | 94 |
| SC | 93 | 84 | 93 | 94 |
| TX | 89 | 79 | 88 | 88 |
| VA | 97 | 97 | 99 | 99 |
| 8 Sts | 96 | 92 | 96 | 96 |
| These 8 States harvested 96% of last year's peanut acreage. | | | | |

| Winter Wheat Percent Emerged | | | | |
|---|--------------|--------------|----------------|-------------|
| | Prev Year | Prev Week | Nov 28 2021 | 5-Yr Avg |
| AR | 87 | 80 | 93 | 85 |
| CA | 54 | 40 | 55 | 52 |
| CO | 95 | 92 | 94 | 97 |
| ID | 98 | 97 | 99 | 98 |
| IL | 99 | 75 | 92 | 95 |
| IN | 94 | 85 | 91 | 93 |
| KS | 95 | 89 | 96 | 93 |
| MI | 100 | 86 | 89 | 94 |
| MO | 88 | 80 | 86 | 81 |
| MT | 96 | 85 | 88 | 92 |
| NE | 100 | 100 | 100 | 100 |
| NC | 72 | 52 | 71 | 64 |
| OH | 100 | 90 | 94 | 97 |
| OK | 95 | 90 | 96 | 94 |
| OR | 88 | 64 | 71 | 85 |
| SD | 98 | 99 | 100 | 99 |
| TX | 80 | 75 | 83 | 80 |
| WA | 99 | 96 | 99 | 95 |
| 18 Sts | 92 | 86 | 92 | 91 |
| These 18 States planted 90% of last year's winter wheat acreage. | | | | |

| Winter Wheat Condition by Percent | | | | | |
|-----------------------------------|----|----|----|----|----|
| | VP | P | F | G | EX |
| AR | 1 | 6 | 31 | 47 | 15 |
| CA | 0 | 5 | 15 | 55 | 25 |
| CO | 10 | 23 | 29 | 35 | 3 |
| ID | 1 | 2 | 58 | 29 | 10 |
| IL | 3 | 3 | 12 | 68 | 14 |
| IN | 2 | 4 | 26 | 56 | 12 |
| KS | 3 | 7 | 28 | 52 | 10 |
| MI | 7 | 18 | 25 | 42 | 8 |
| MO | 0 | 4 | 34 | 56 | 6 |
| MT | 21 | 35 | 37 | 5 | 2 |
| NE | 2 | 11 | 23 | 52 | 12 |
| NC | 1 | 5 | 24 | 62 | 8 |
| OH | 6 | 7 | 26 | 47 | 14 |
| OK | 5 | 11 | 36 | 45 | 3 |
| OR | 21 | 27 | 27 | 24 | 1 |
| SD | 5 | 21 | 38 | 34 | 2 |
| TX | 18 | 27 | 35 | 15 | 5 |
| WA | 5 | 16 | 57 | 22 | 0 |
| 18 Sts | 8 | 15 | 33 | 38 | 6 |
| Prev Wk | 8 | 14 | 34 | 37 | 7 |
| Prev Yr | 5 | 13 | 36 | 40 | 6 |

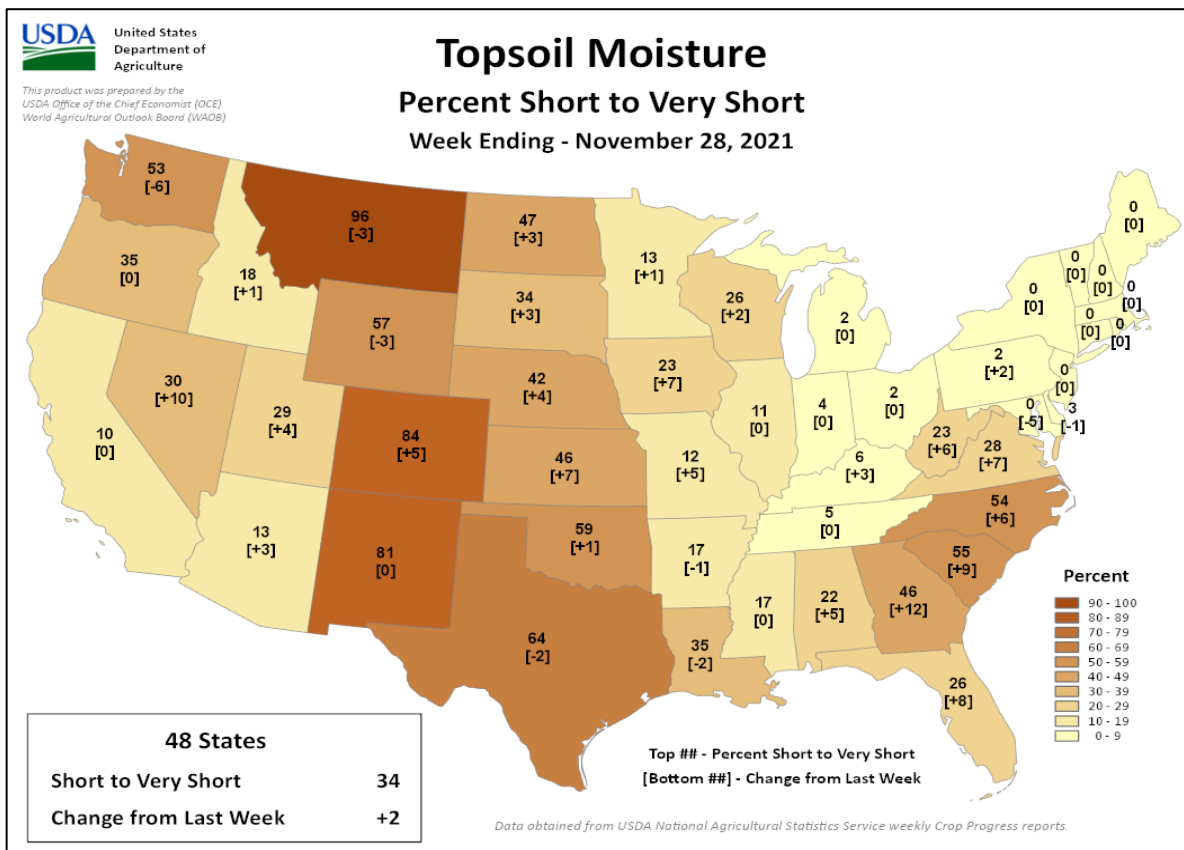
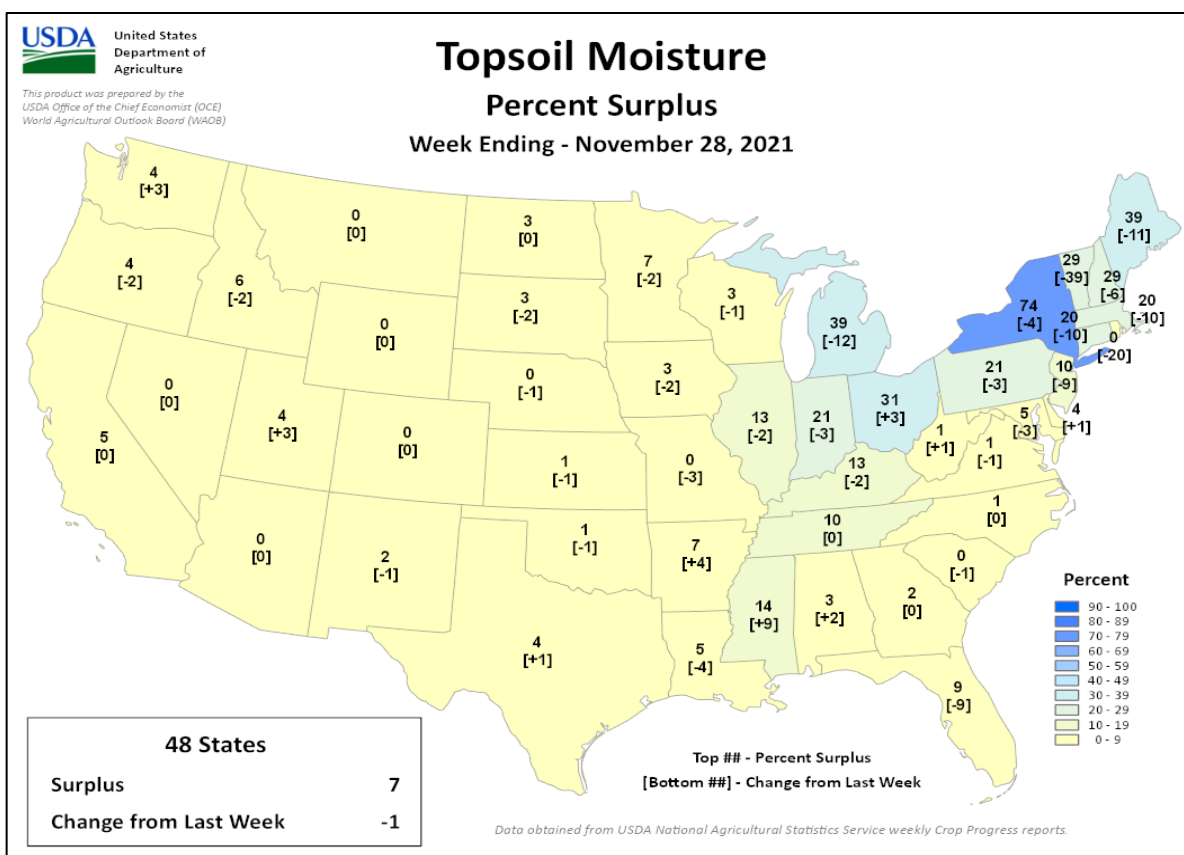
VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
* Revised

Crop Progress and Condition

Week Ending November 28, 2021

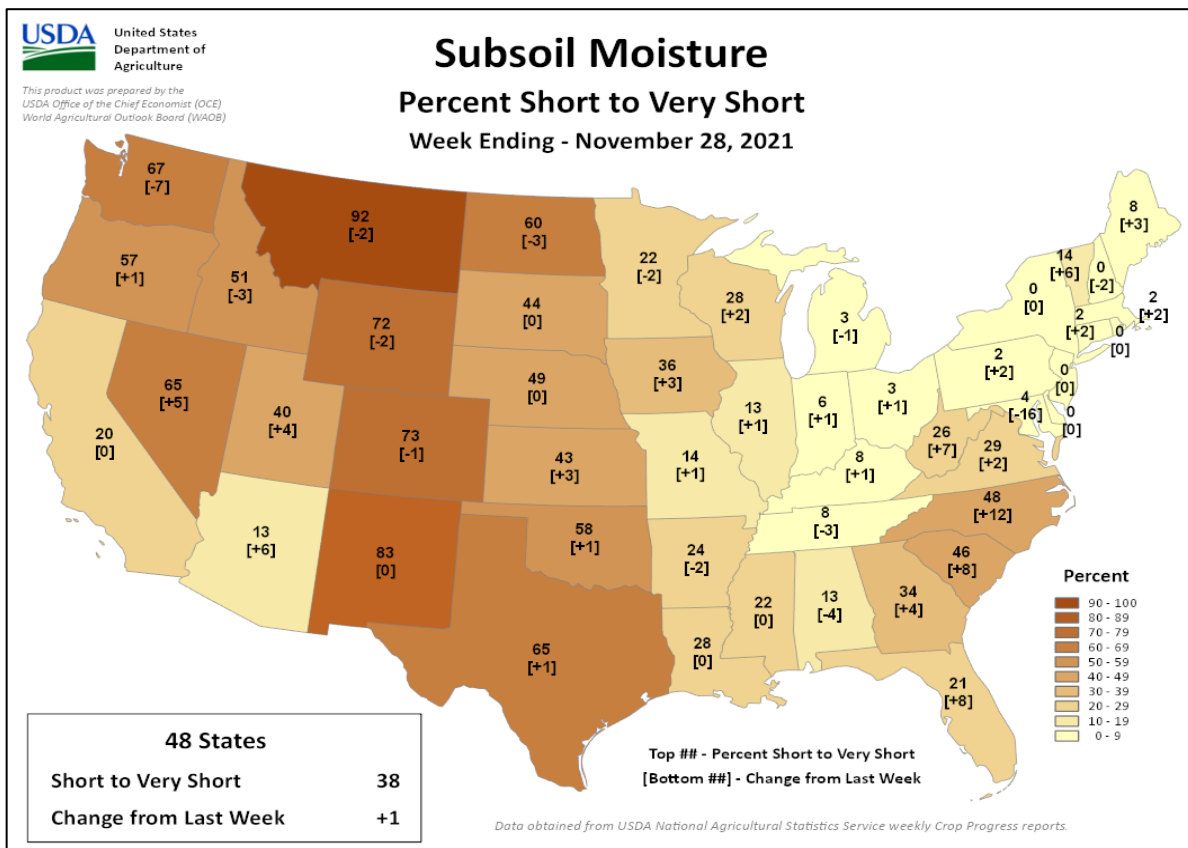
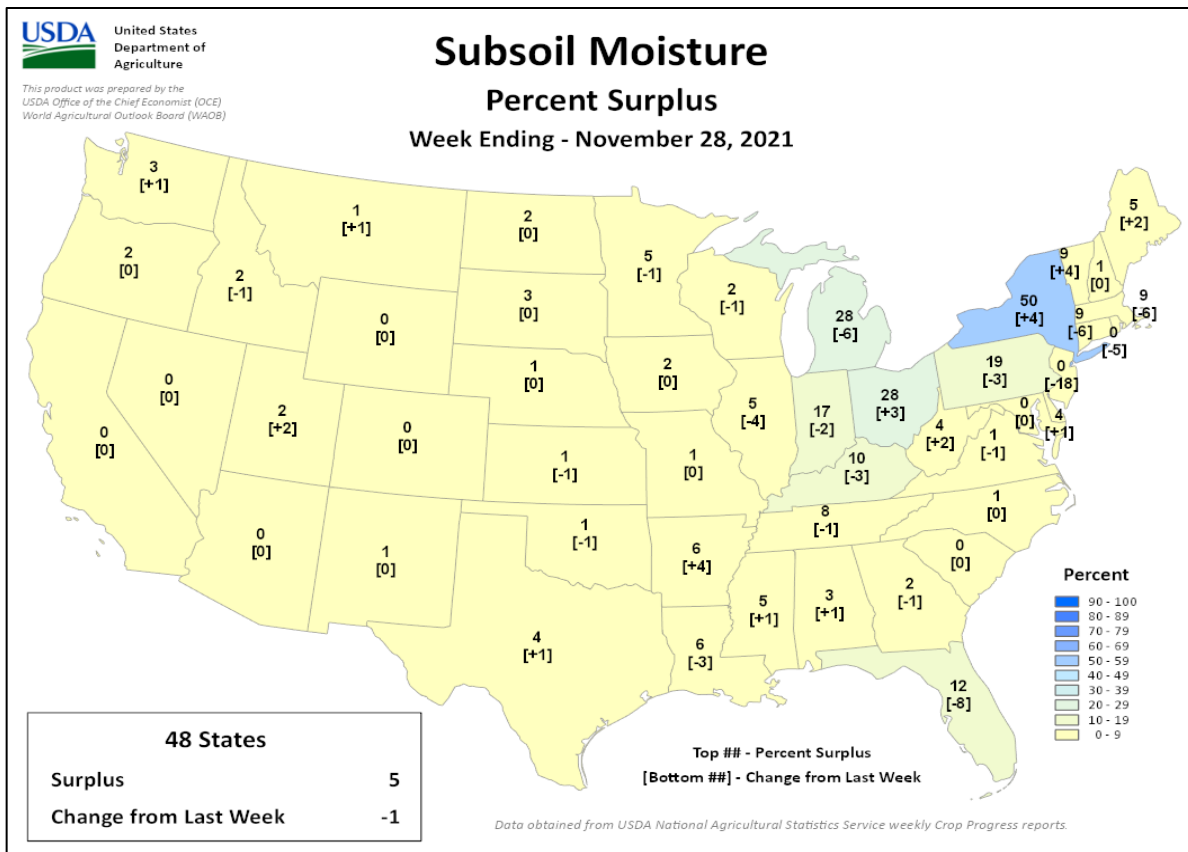
Weekly U.S. Progress and Condition Data provided by USDA/NASS



Crop Progress and Condition

Week Ending November 28, 2021

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



International Weather and Crop Summary

November 21-27, 2021

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

HIGHLIGHTS

EUROPE: Locally heavy rain continued over parts of southern Europe, while near- to below-normal temperatures eased winter crops toward dormancy elsewhere.

MIDDLE EAST: Rain provided timely moisture for winter grain establishment in much of Turkey, though drought concerns lingered along the eastern Mediterranean Coast.

NORTHWESTERN AFRICA: Showers provided sorely needed topsoil moisture in drought-afflicted Morocco while maintaining adequate to abundant soil moisture in western and central Algeria.

EASTERN ASIA: Continued mild weather in eastern and southern China promoted winter crop establishment.

SOUTHEAST ASIA: Downpours were reported across much of the region, aiding rice and other seasonal crops.

AUSTRALIA: Heavy rain halted the winter crop harvest in the east and caused local flooding.

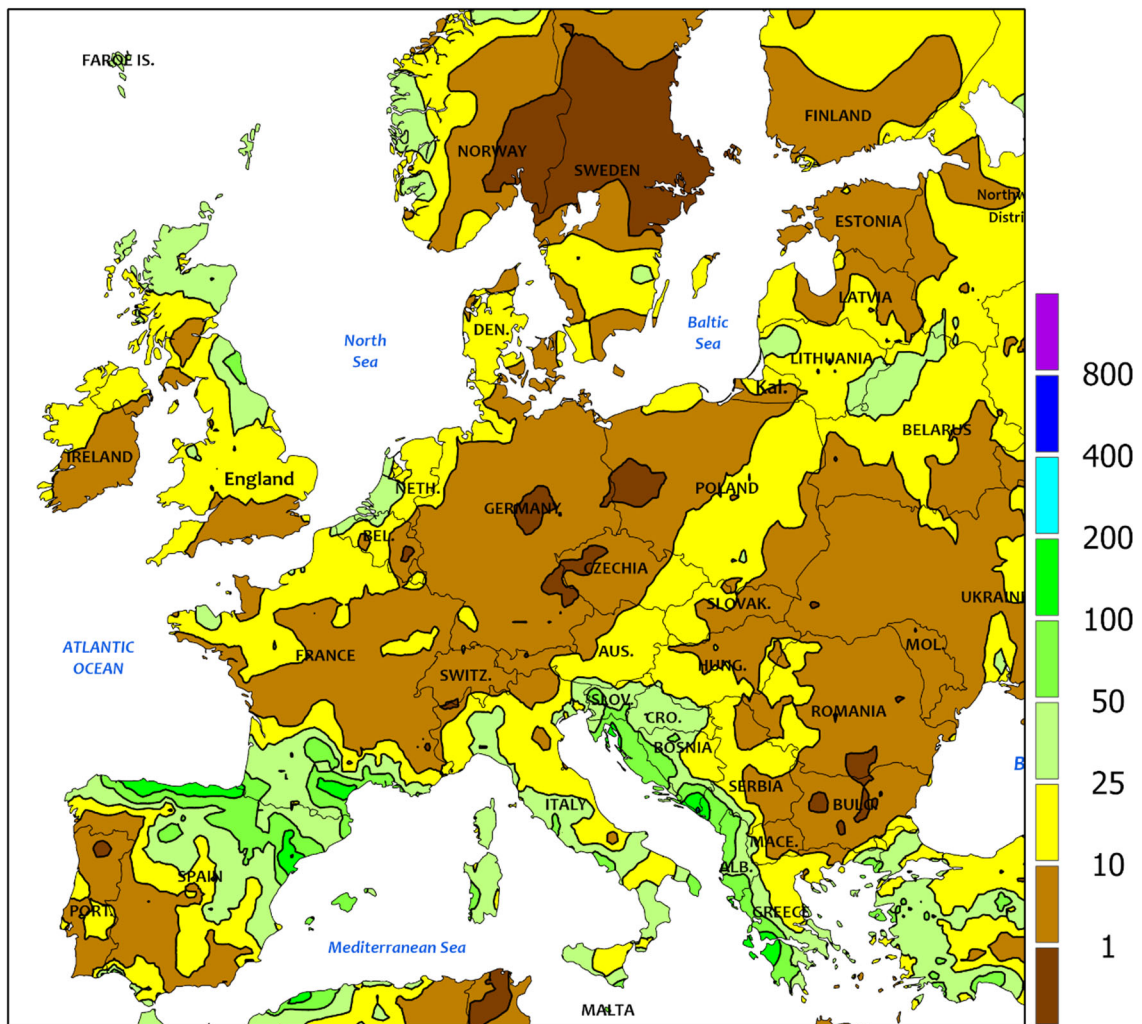
SOUTH AFRICA: Locally heavy rain overspread the corn belt, sustaining generally favorable prospects for rain-fed summer crops.

ARGENTINA: Beneficial rain continued throughout much of Argentina, although a few locations need additional moisture to ensure proper summer crop establishment.

BRAZIL: Unseasonable warmth and dryness maintained concern for soybeans and corn in southern production areas.



EUROPE
Total Precipitation(mm)
November 21 - 27, 2021



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

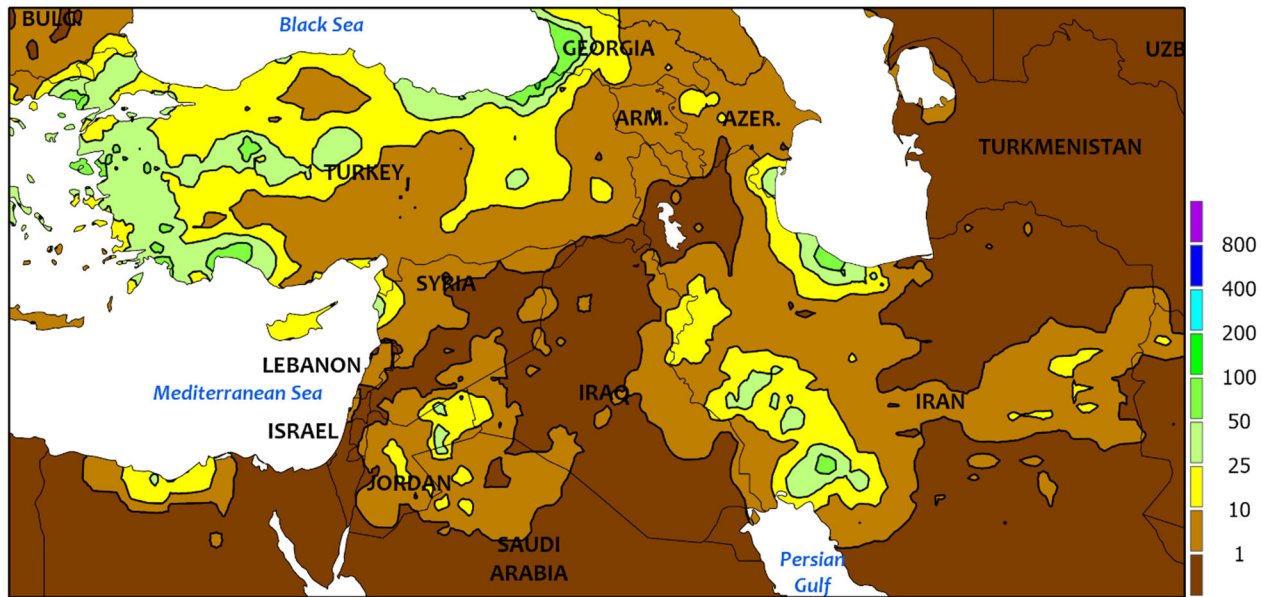


EUROPE

Locally heavy rain continued over parts of southern Europe, while colder weather eased winter crops toward dormancy elsewhere. A meandering storm system triggered moderate to heavy rain and mountain snow over much of Spain (10-150 mm liquid equivalent, locally more than 200 mm), though southwestern portions of the country were mostly dry; consequently, early-season prospects for winter wheat and barley remained favorable. Farther east, another slow-moving storm system produced similar amounts of rain and mountain snow across Italy and the western Balkans, boosting spring runoff prospects and moisture supplies for winter crops but hampering seasonal fieldwork. In the

colder air to the north, the first snow of the season (2-20 cm, more in the higher elevations) was reported from Austria northeastward into Poland and the Baltic States. Moderate to heavy showers (10-50 mm) were likewise noted over northern-most growing areas, sustaining favorable moisture reserves for winter crops. In central Europe, light to moderate precipitation (1-10 mm) sustained good soil moisture supplies for spring growth. Near- to below-normal temperatures (up to 3°C below normal) coupled with 7-day average temperatures less than 5°C over much of northern, central, and eastern Europe eased winter wheat, barley, and rapeseed toward dormancy.

MIDDLE EAST
Total Precipitation(mm)
November 21 - 27, 2021



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



MIDDLE EAST

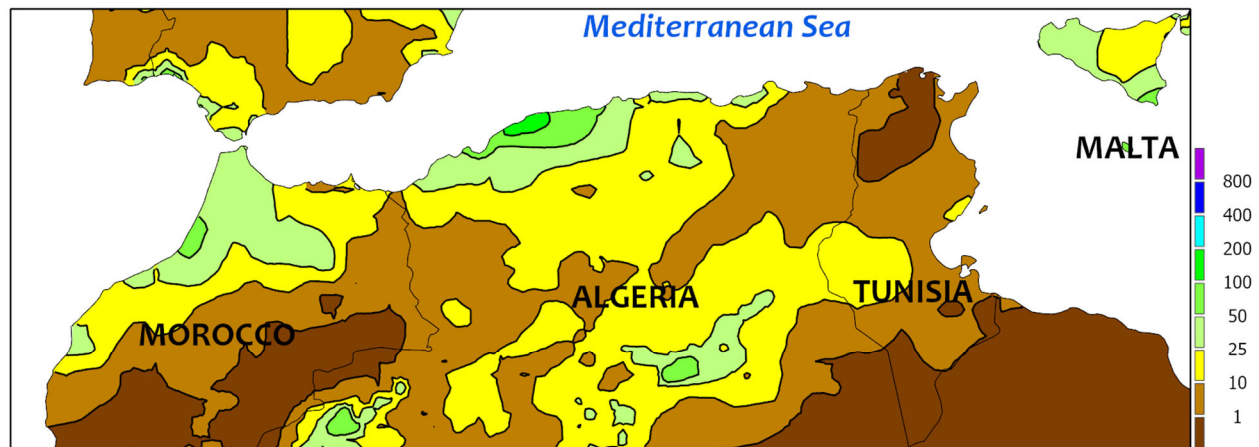
Timely rain in Turkey and western Iran contrasted with intensifying short-term drought across the eastern Mediterranean Region. A slow-moving disturbance generated moderate to heavy showers and thunderstorms across much of Turkey (10-100 mm, locally more near the southwestern coast), easing short-term dryness and improving soil moisture for winter grain establishment. Conversely, mostly dry weather (5 mm or less) in southeastern Turkey maintained drought (90-day rainfall locally less than 25 percent of normal), further depleting soil

moisture for wheat and barley emergence. Similar conditions prevailed from Syria into Israel, though locales along the immediate coast have fared better. Farther east, widespread showers (10-60 mm) over western Iran and southeastern Iraq favored vegetative winter crops, while dry weather kept soils unfavorably dry over much of northwestern and northeastern Iran. Meanwhile, unusually heavy rain (10-40 mm) was reported over Egypt's Nile River Delta, representing more than 40 percent of this region's scant cool-season (October-April) total precipitation.

NORTHWESTERN AFRICA

Total Precipitation(mm)

November 21 - 27, 2021



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

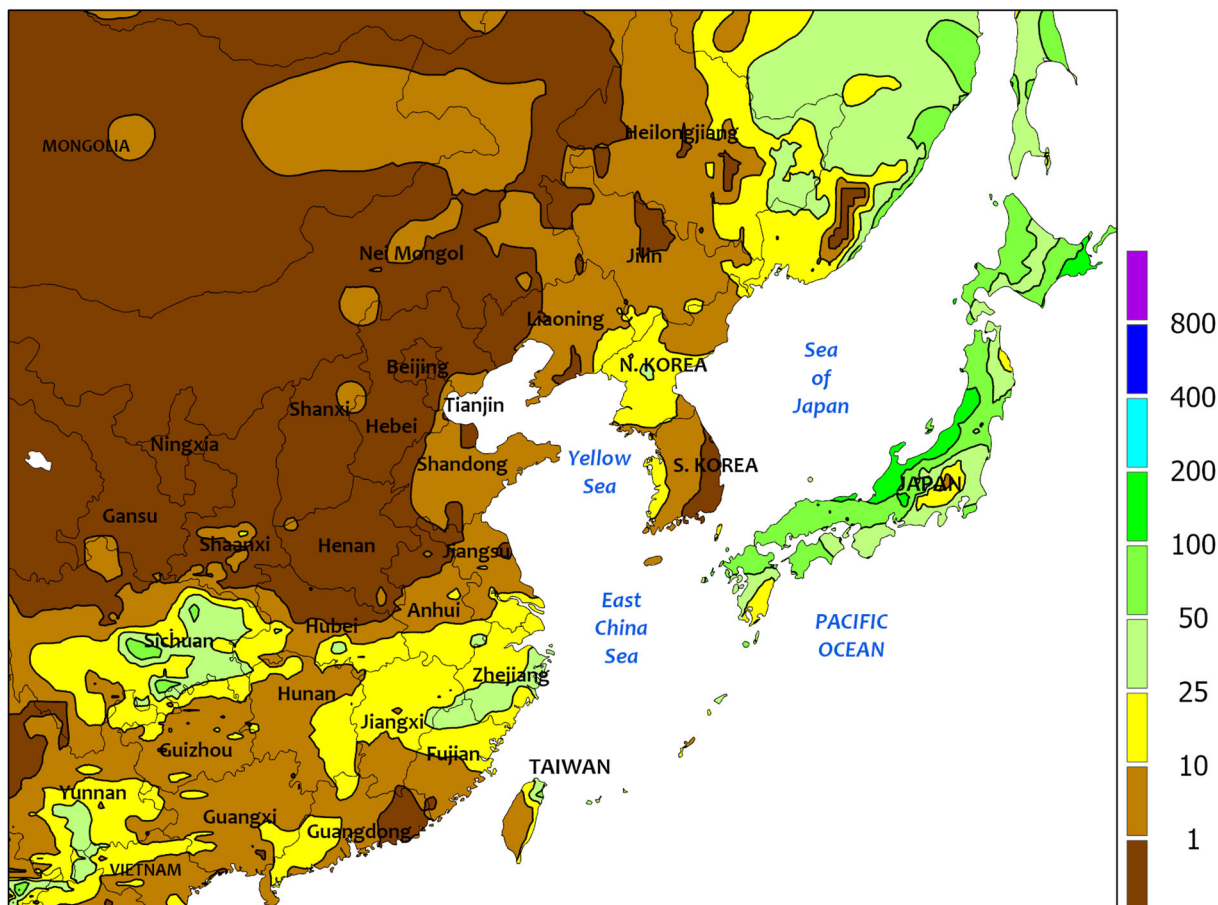


NORTHWESTERN AFRICA

Widespread rain across the western half of the region gave way to increasingly dry conditions in the east. The first appreciable showers of the season were observed in the primary crop areas of west-central Morocco, though amounts were highly variable (4-80 mm). More widespread, consistent rainfall will be needed to alleviate the severe drought that has afflicted much of Morocco since the onset of the rainy season (September-May). Even with this week's showers, cumulative rainfall deficits since September 1 remained near 100 mm (30 percent of normal) in the lowlands between the coast and the Atlas Mountains. While it is still early in the winter grain growing campaign, the latest satellite-derived Vegetation Health Index indicated either bare soils or very poor crop

establishment in Morocco. Farther east, another round of soaking rain (10-100 mm) across western and central Algeria maintained adequate to abundant moisture supplies for winter crops; as of November 28, the 2021-22 Water Year ranked as the second wettest over the past 30 years in the Central Tell Region of Tunisia with more than 300 mm reported (180 percent of normal). Conversely, dryness concerns have expanded across eastern portions of the region (northeastern Algeria into Tunisia), with this week's scant rain (5 mm or less) exacerbating the dryness. Season-to-date rainfall deficits were approaching 90 mm in eastern Algeria's Tell Region (50 percent of normal) and 80 mm over Tunisia's inland Steppe Region (20 percent of normal).

EASTERN ASIA
Total Precipitation(mm)
November 21 - 27, 2021



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Computer generated contours
Based on preliminary data



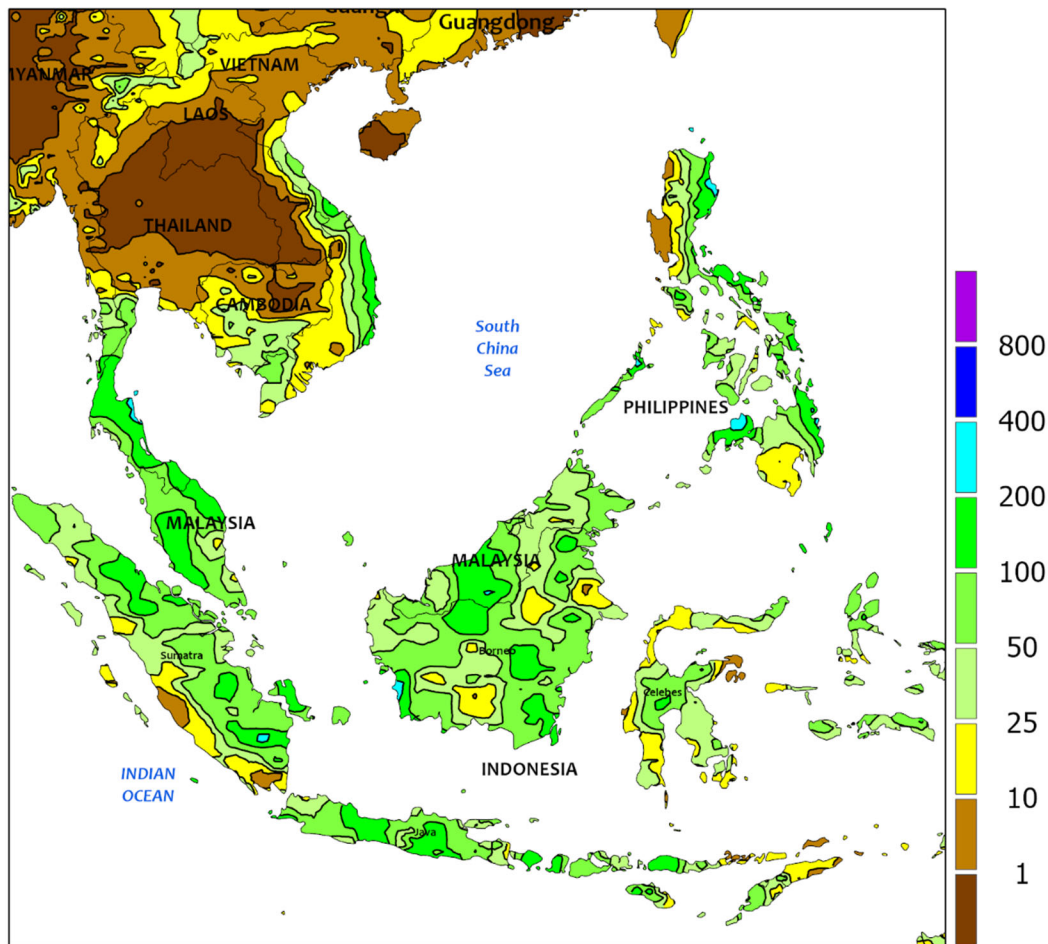
EASTERN ASIA

Generally mild conditions across eastern and southern China have promoted vegetative growth for wheat and rapeseed. Temperatures were above normal (as much as 3°C above normal) along parts of the North China Plain and central Yangtze Valley, allowing winter crops to become better established prior to entering dormancy; dormancy typically occurs in early to mid-December.

Rainfall was generally confined to southern-most China (typical for this time of year), aiding sugarcane and seasonal crops.

This will be the last weekly summary for East Asia. Coverage will resume in March 2022 to coincide with winter crops breaking dormancy.

SOUTHEAST ASIA
Total Precipitation(mm)
November 21 - 27, 2021



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



SOUTHEAST ASIA

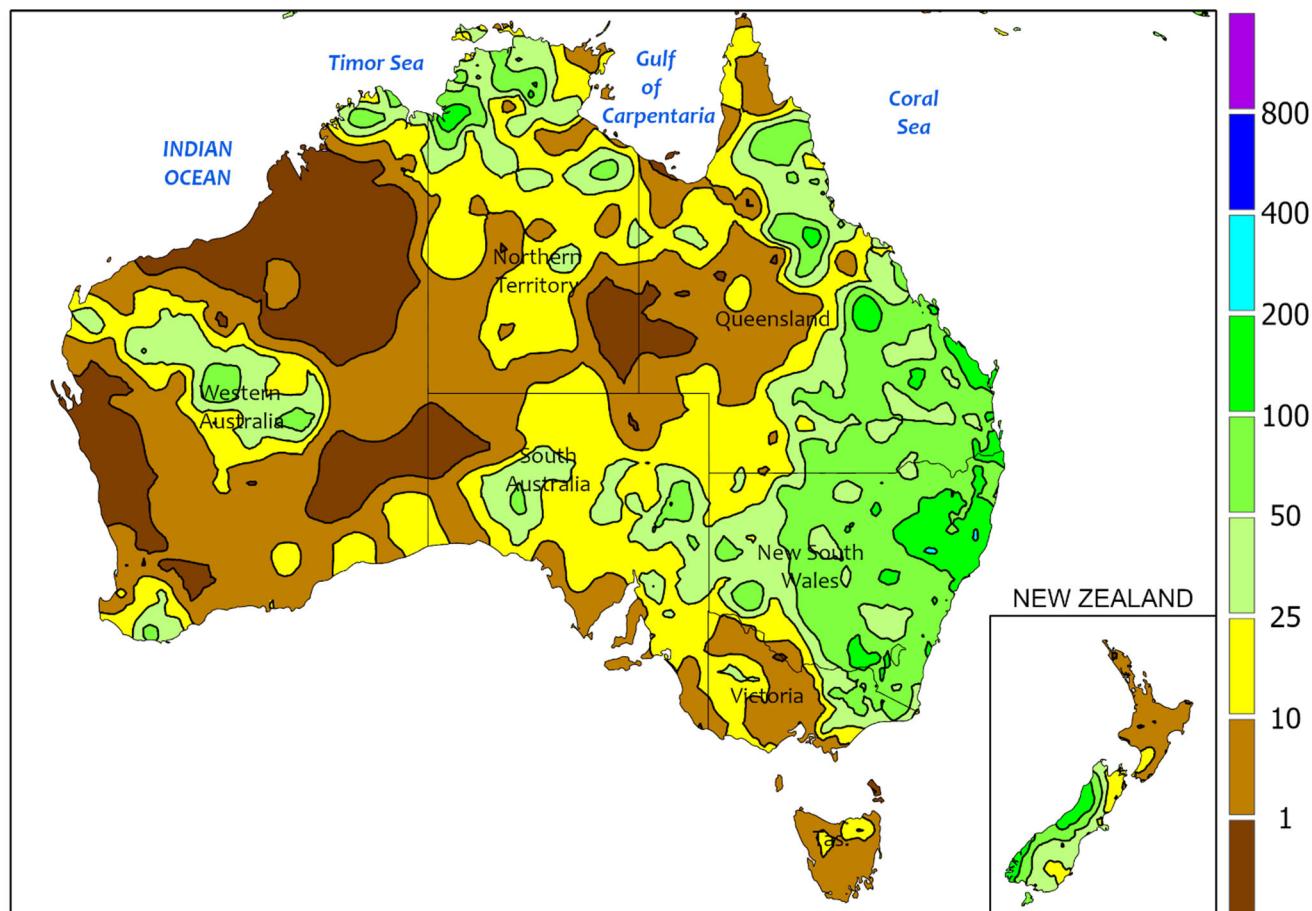
A strong easterly fetch, enhanced by La Niña conditions, produced deluges across large sections of the region. Rainfall amounts locally exceeded 200 mm, while the majority of areas recorded 25 to 100 mm. Notable locales receiving beneficial rainfall include key rice areas in the northern Philippines that experienced little if any rainfall from mid-October to mid-November.

Additionally, showers throughout Malaysia and Indonesia supported oil palm and maintained good moisture supplies for main-season rice, particularly in southern Indonesia (Java). Meanwhile, the unseasonably heavy downpours plaguing Vietnam shifted to the north, allowing drier weather to ease excessive wetness in the Central Highlands and aid coffee harvesting.

AUSTRALIA

Total Precipitation(mm)

November 21 - 27, 2021



Gridded data from the Australian Bureau of Meteorology: www.bom.gov.au/
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AUSTRALIA

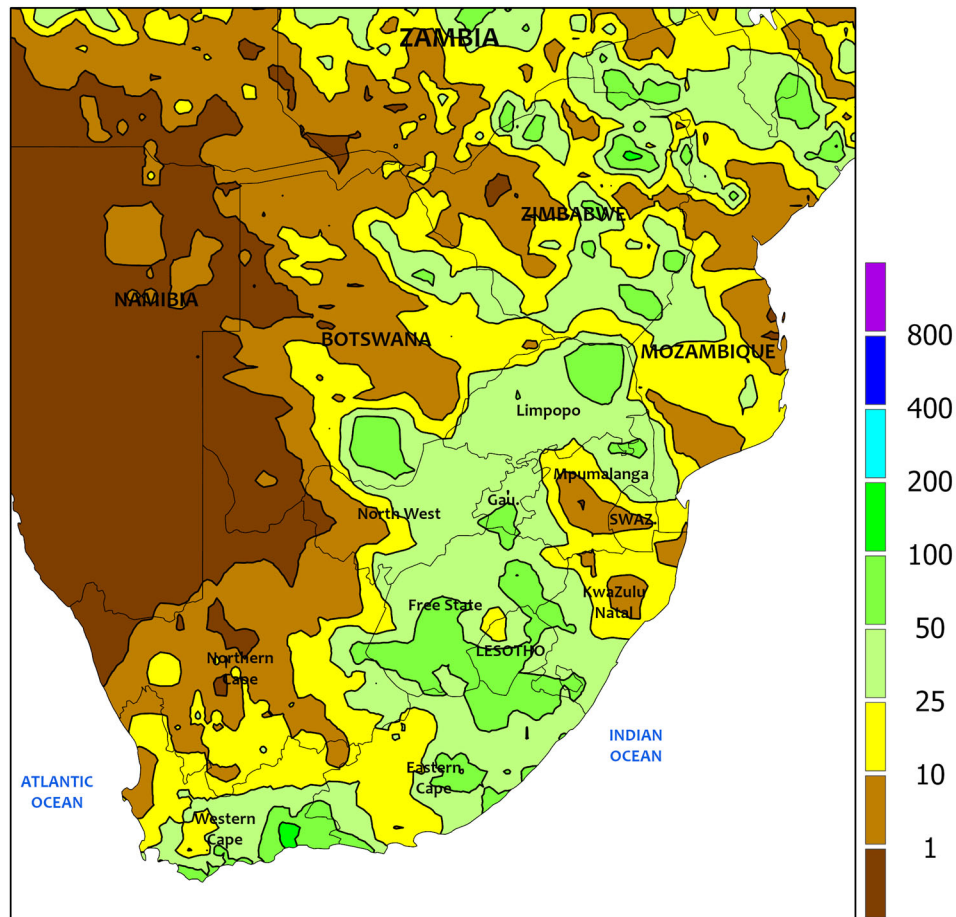
Following the previous week's somewhat drier weather, heavy rain (50-100 mm, locally more) swept across southern Queensland and New South Wales, soaking mature winter grains and oilseeds and causing flooding, some of which was locally significant. The excessively wet weather halted most fieldwork, including winter crop harvesting, and likely caused further reductions in crop quality. The heavy rain and resultant flooding will likely necessitate the replanting of some summer crops as well. The sowing window for sorghum typically extends through the summer months, providing a lengthy

replanting opportunity. In contrast, the planting window for cotton typically closes near the end of November, limiting replanting prospects. Elsewhere in the wheat belt, the rain (5-25 mm, locally more) in Victoria, South Australia, and Western Australia was less widespread, likely leading to fewer delays in the winter crop harvest. Cooler-than-normal weather persisted across a large portion of the wheat belt. Temperatures averaged 1 to 3°C below normal in New South Wales and Victoria and generally within 1°C of normal in most of southern Queensland, South Australia, and Western Australia.

SOUTH AFRICA

Total Precipitation(mm)

November 21 - 27, 2021



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

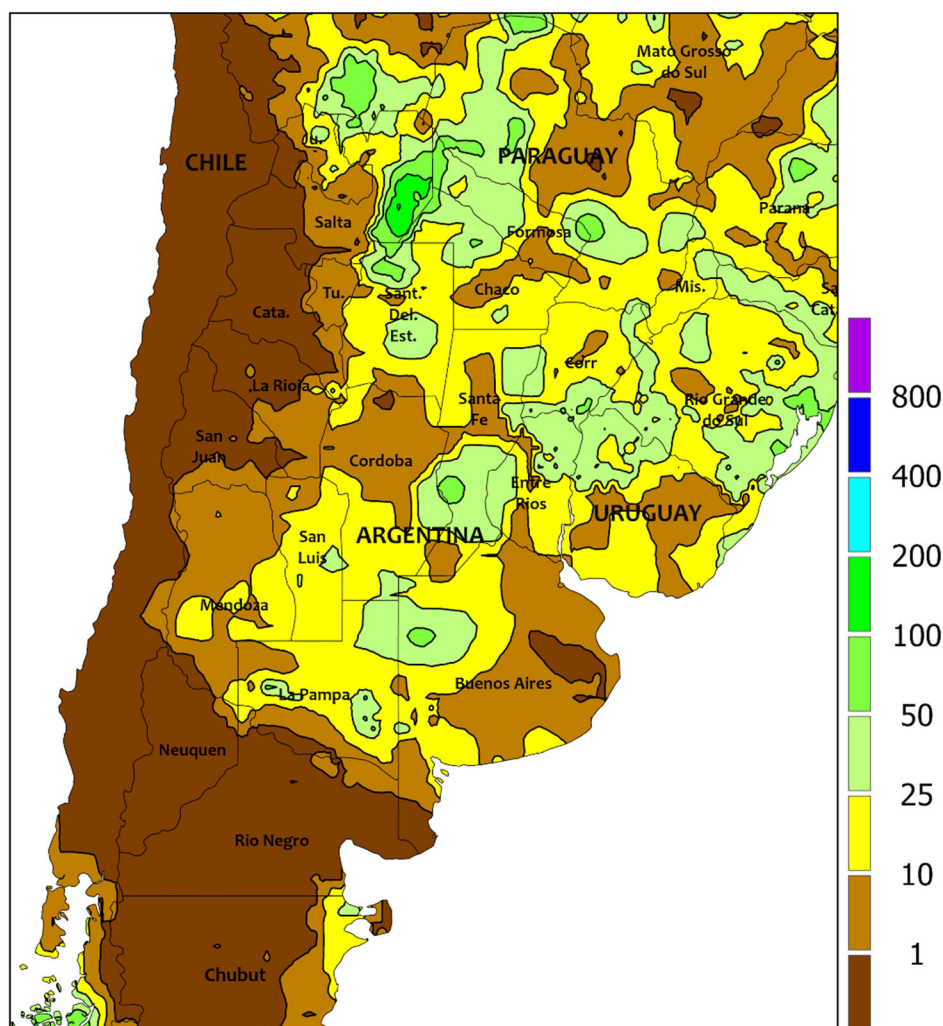


SOUTH AFRICA

Widespread, locally heavy showers improved summer crop prospects nearly regionwide. Rainfall totaled 25 to 65 mm over a large area stretching from North West and Limpopo southward to Eastern Cape, with most other eastern farming areas reporting at least 10 mm. The moisture was particularly timely for emerging to vegetative corn in central and eastern parts of the corn belt (notably western Mpumalanga, Gauteng, and eastern Free State) and will help to condition fields for planting farther west. The rainfall also improved irrigation reserves for sugarcane in eastern Mpumalanga and benefited rain-fed crops in southern KwaZulu-Natal, but drier conditions (rainfall totaling less than 25 mm) prevailed in irrigated

sugarcane areas of northern KwaZulu-Natal and Swaziland. Weekly temperatures averaged as much as 4°C below normal in the aforementioned areas, with highest daytime temperatures mostly ranging from the middle 20s to lower 30s (degrees C). Similar conditions in the Orange River watershed increased moisture available for both local farming and commercial production of irrigated corn and cotton in Northern Cape. In Western Cape, unseasonably heavy rain (10-50 mm, locally higher) further improved long-term moisture reserves but caused some disruptions to fieldwork, including early wheat harvesting and treatments for pests and diseases on tree and vine crops.

ARGENTINA
Total Precipitation(mm)
November 21 - 27, 2021



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



ARGENTINA

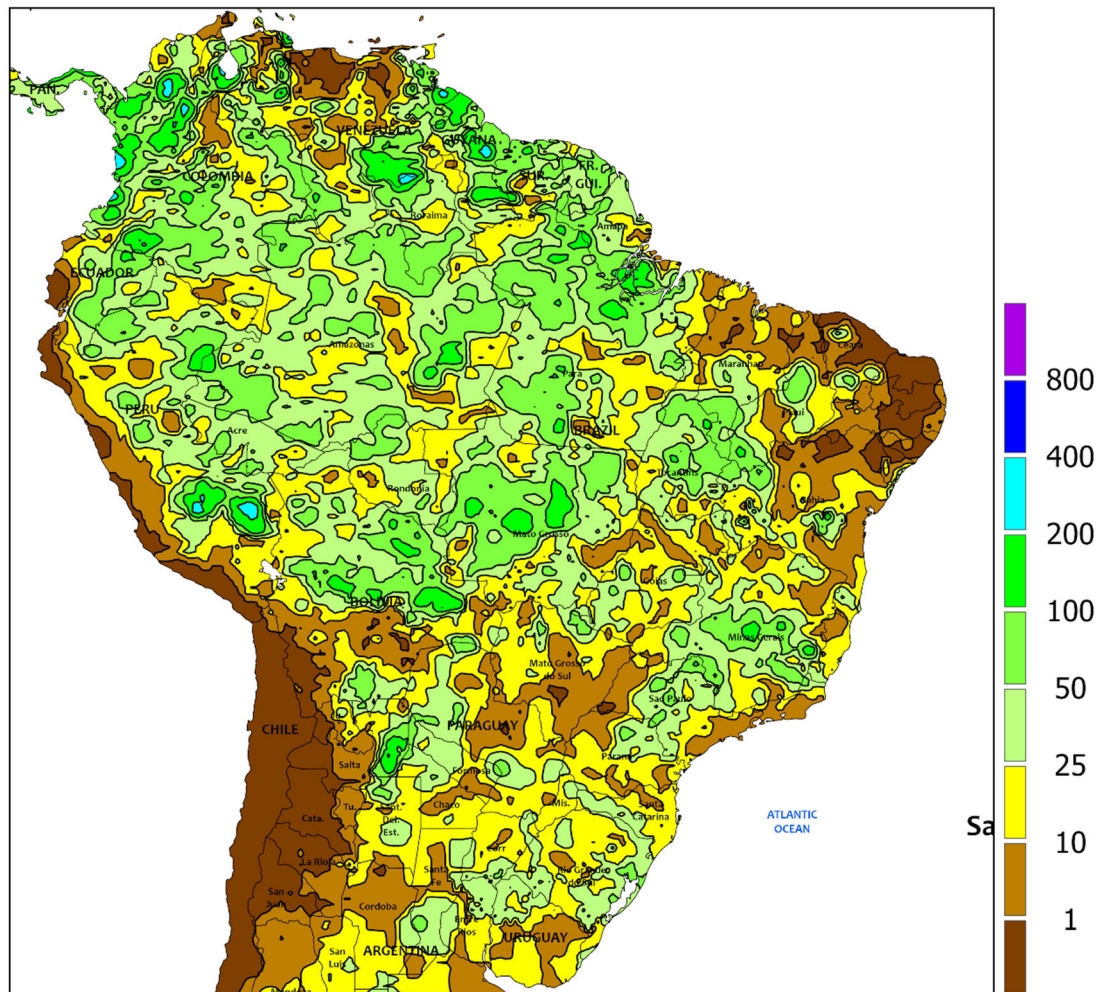
Beneficial rain continued throughout much of the region, further improving conditions for emerging summer crops in many key production areas. In central Argentina, the heaviest rainfall (25-50 mm) was concentrated between northern La Pampa and Entre Rios, including many high-yielding corn and soybean delegations in Cordoba, Santa Fe, and northwestern Buenos Aires. Drier conditions prevailed, however, in southern and eastern Buenos Aires, where longer-term moisture reserves remained limited for summer crop establishment. Light to moderate rain (10-50 mm) overspread the north, coming too late for maturing winter grains but

maintaining generally favorable levels of moisture for cotton germination. Weekly temperatures averaged 1 to 4°C above normal throughout the country, with highest daytime temperatures ranging from the middle 30s (degrees C) in central Argentina to the upper 30s and lower 40s in the northwest. According to the government of Argentina, sunflowers were 94 percent planted as of November 25, 4 points behind last year's pace; cotton was 37 percent planted, equal to last year. Corn and soybeans were 51 and 41 percent planted, respectively, while wheat was 32 percent harvested, outpacing last year by 5 points.

BRAZIL

Total Precipitation(mm)

November 21 - 27, 2021



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



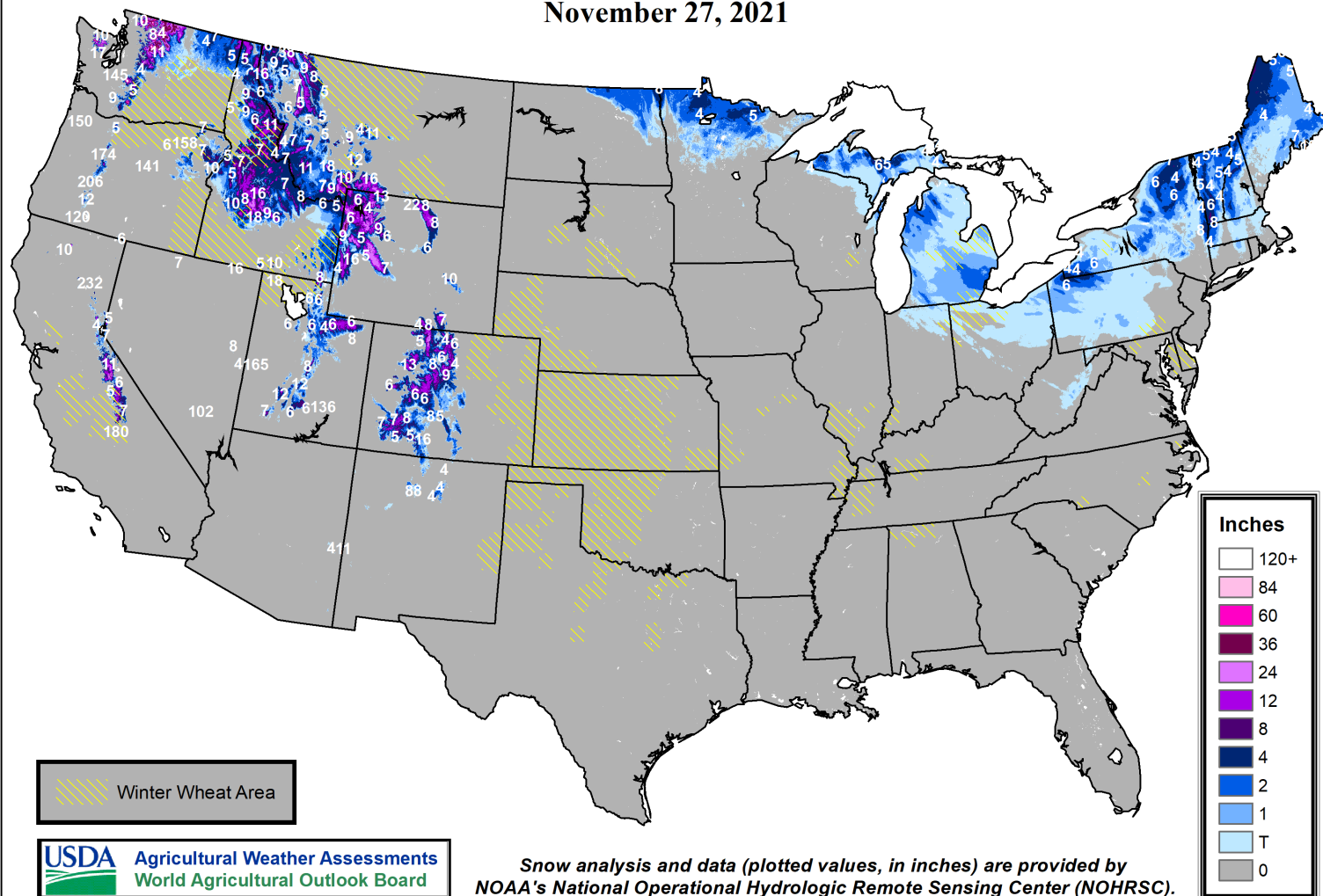
BRAZIL

Locally heavy showers benefited soybeans and other summer crops in northern production areas, while pockets of dryness became more prevalent farther south. Rainfall totaled 25 to 50 mm – locally approaching 100 mm – over central and northern Mato Grosso, and in many northeastern interior farming areas, notably those in Tocantins, Piauí, and Maranhão. However, rainfall tapered off from recent weeks in other parts of central Brazil, including most areas in and around Goiás, northern Minas Gerais, and western Bahia. Summer warmth (daytime highs reaching the lower and middle 30s degrees C) maintained high evapotranspiration rates in the aforementioned locations, and a return to a more normal pattern of rainfall and temperatures is needed to ensure the current favorable yield prospects. Meanwhile, unseasonable warmth and dryness

increased concern for summer crops in portions of southern Brazil that have been trending dry since late October. Rainfall totaled less than 25 mm from Mato Grosso do Sul and western São Paulo southward through Uruguay, accompanied by above-normal temperatures (highs reaching the middle 30s) that exacerbated the impact of the dryness on crops in or nearing reproduction. According to the Government of Paraná, seasonal fieldwork (wheat and barley harvesting; summer grain and oilseed planting) was nearly complete as of November 22, with the earliest planted corn and soybeans entering reproduction. Similarly, wheat in Rio Grande do Sul was 97 percent harvested as of November 25; corn and soybeans were 86 and 68 percent planted, respectively, with 45 percent of emerged corn either flowering or entering filling.

Snow Depth

November 27, 2021



Snow analysis and data (plotted values, in inches) are provided by NOAA's National Operational Hydrologic Remote Sensing Center (NOHRSC).

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