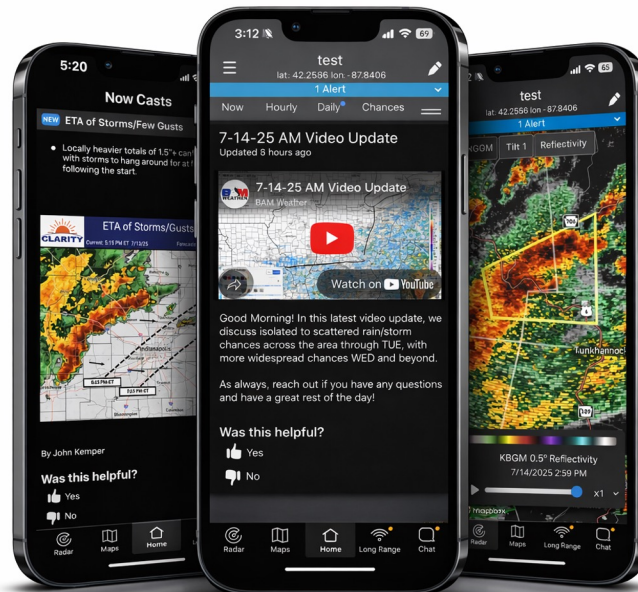


BAM Weather

Morning Long Range Analysis

By: Bret Walts

Tuesday, July 21, 2026





Morning Long-Range Analysis

Tuesday, July 21, 2026

Targeted Storm/Front Dates

July 21 - 22

Cold Front / Storm Clusters

July 22 - 24

Strong Cold Front/Storm System

July 24 - 29

Storm Cluster Risks

July 26 - 28

Cold Front

July 29 - 31

Storm System (Southeast)

August 4 - 6

Strong Cold Front/Storm System

Key Temperature Notes

Much cooler than normal temperatures over the next several days especially from the OHV/Great Lakes to the NE US.

Heat will have the tendency to build back in by late this weekend into early next week in the Plains.

Ups/downs can continue next week in the Eastern US. Some warmer days likely ahead of fronts for the E. Ag Belt to the East Coast but fronts keep temperatures generally more seasonable.

August likely features some ups/downs in temperatures with another strong front the first week of August and another bout of heat into the 2nd week of Aug.

Key Precipitation Notes

Severe weather risks continue today in the OH Valley to the East Coast with multiple rounds of rain and storms clusters likely. Damaging winds will be the biggest threat but hail and tornadoes also possible.

Drier conditions likely behind the front mid-week, but storm cluster risks and timely rains likely late this week in the C. Plains.

Beyond that, the pattern likely leans drier than normal for much of the Ag Belt into next week.

Messy storm cluster risks try to return late week 2 in the N. Plains to Upper-Midwest with drier risks lingering in the S. Ag Belt.

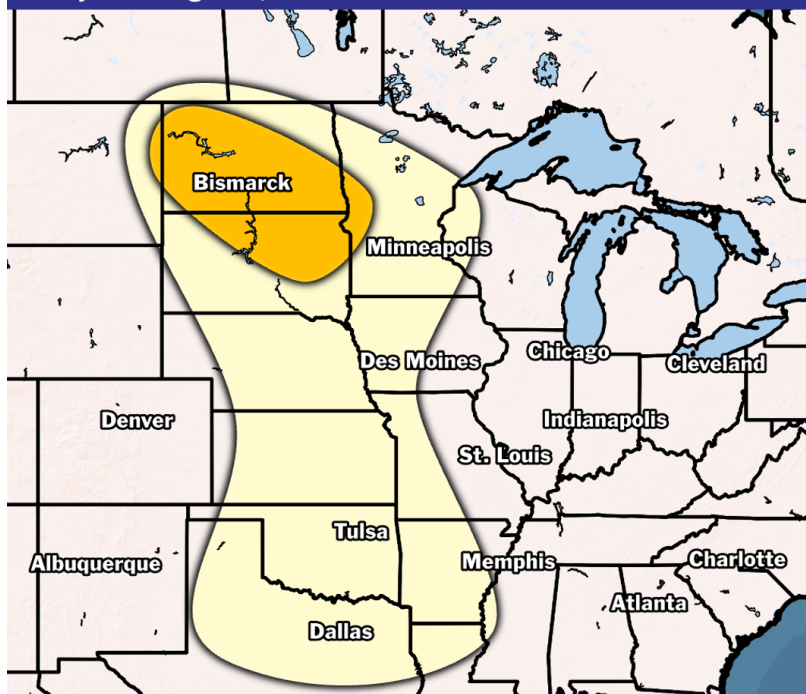
The general theme of a drier C. US lean with periods of timely rains in Ag Belt looks to continue into early August.

Medium Range Hazard Maps

Dryness Expansion/Crop Stress Outlook



~July 20 - August 3, 2026



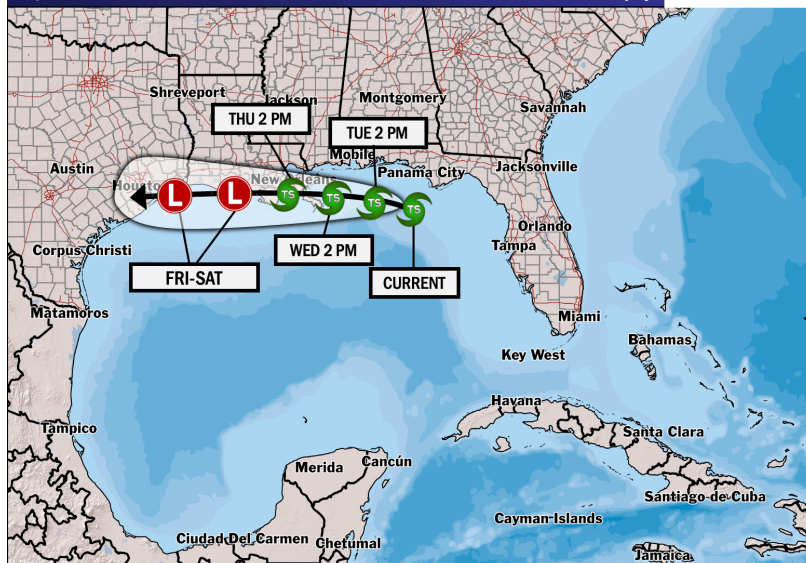
Lack of Rain + Hotter Temperatures lead to some crop stress / expansion of abnormally dry conditions.

Highest risk for development of drought conditions or worsening of ongoing drought.

Tropical Storm Bertha: 7/21 - 7/25/26

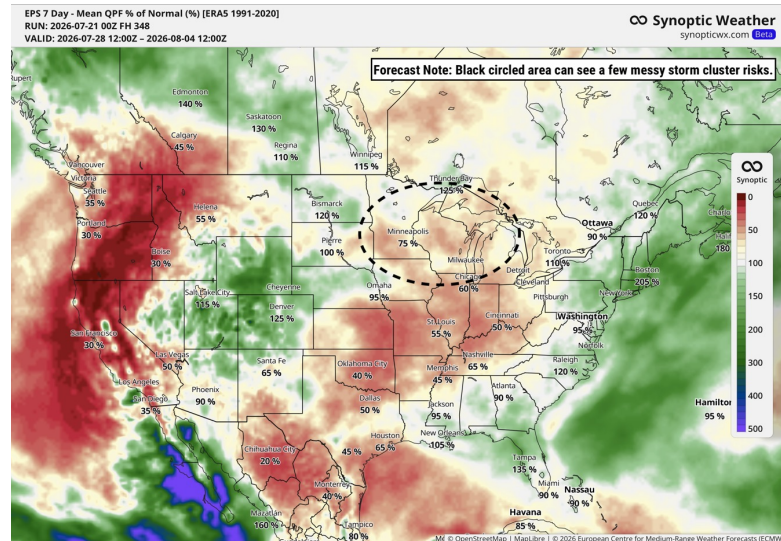
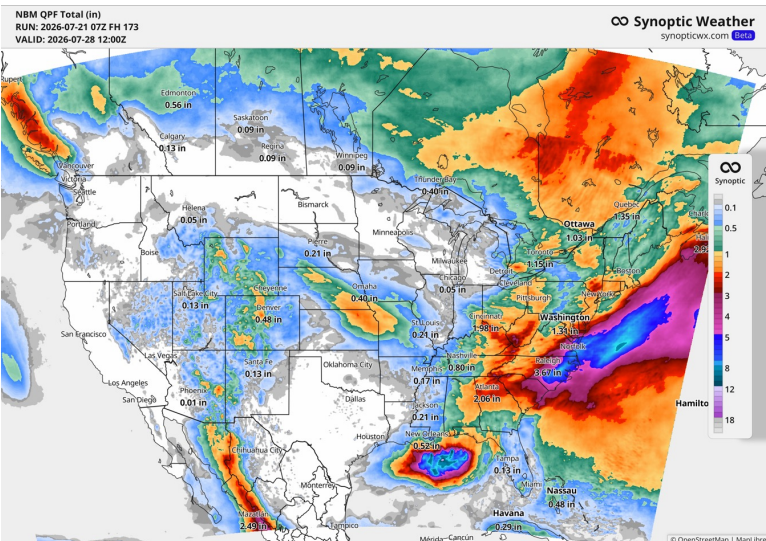
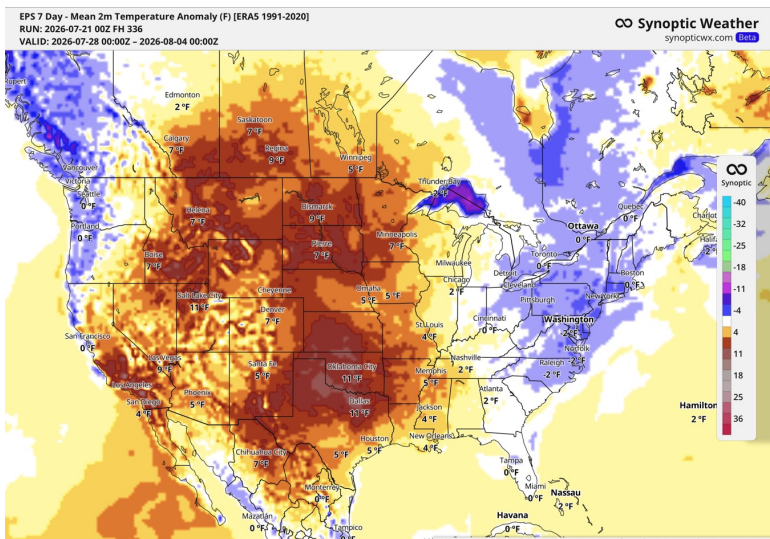
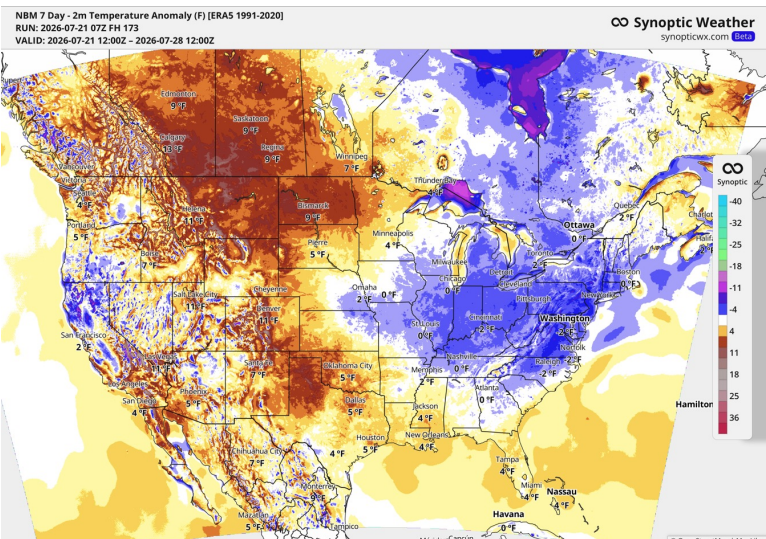
Updated: 12:35 AM ET 7/21/26

Forecaster: Tillison/Murphy



July 21 – 27, 2026

July 28 – August 3, 2026



How Temperature Outlooks Work:

Both week 1 and week 2 temperature maps display temperature departures from 30-year averages for that timeframe.

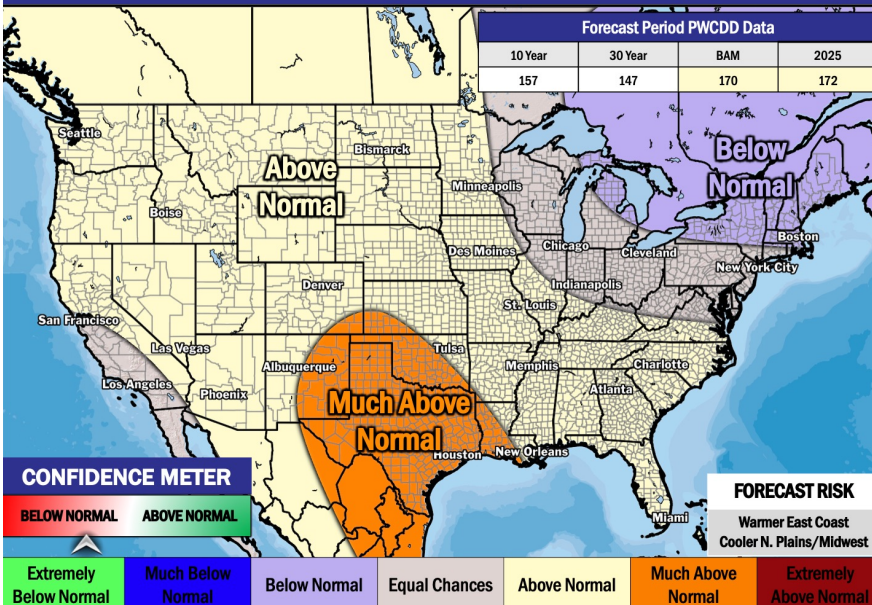
How Precipitation Outlooks Work:

Week 1 highlights favored precipitation totals over the next 7 days. The week 2 precipitation map depicts the percent of precipitation of the 30-year average expected for that timeframe.

Week ¾ Temperature Outlook

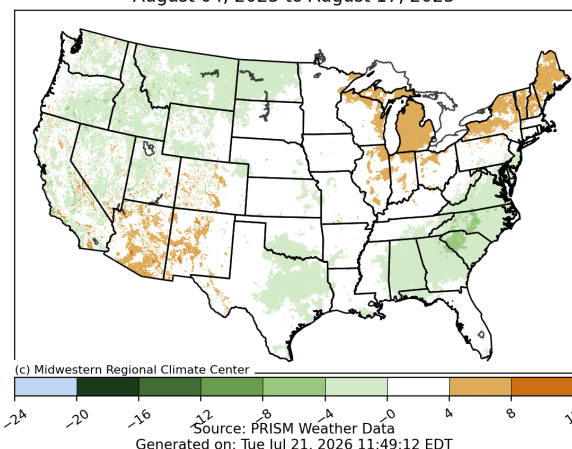


August 4 – 17, 2026 | Updated: 7/21/26 Forecaster: Walts



Last Year

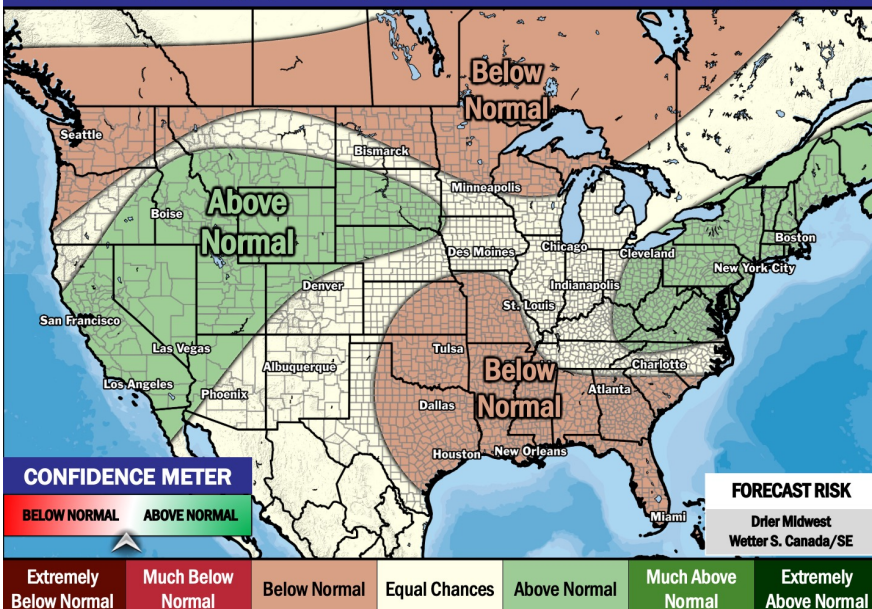
Average Temperature (°F):
Departure from 1991-2020 Normals
August 04, 2025 to August 17, 2025



Week ¾ Precipitation Outlook

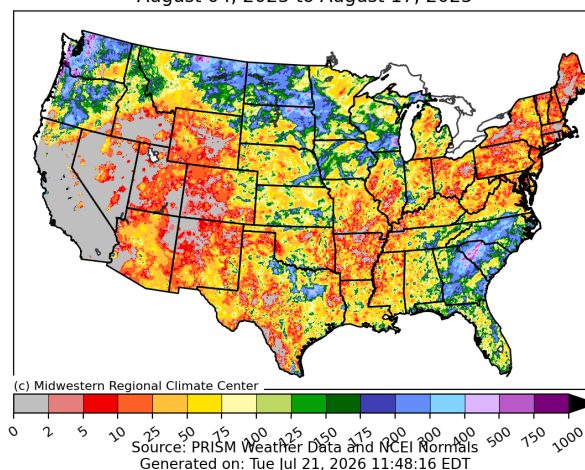


August 4 – 17, 2026, | Updated: 7/21/26 Forecaster: Walts



Last Year

Accumulated Precipitation:
Percent of 1991-2020 Normals
August 04, 2025 to August 17, 2025



Temperatures:

Conflicting signals continue with the N. Pacific / East Asia signaling a hotter pattern while MJO/AAM forcing tends to favor cooler risks. Mixing ideas and factoring in best matching analogs leads us to favor more frequent heat in the Central to W. US with shots of cooler air east. The most persistent much above normal temperatures will likely be in the S. Central US / ERCOT region getting CDDs high.

Precipitation:

With the expected temperature set up, we should still see some opportunities for timely rains in the Midwest/NW Plains, however, this is not a pattern that will favor widespread substantial rains. There will certainly be pockets of the Plains especially that continue to get a bit drier overall. Better chance for more frequent rain opportunities in the far E. Ag Belt to the East Coast.

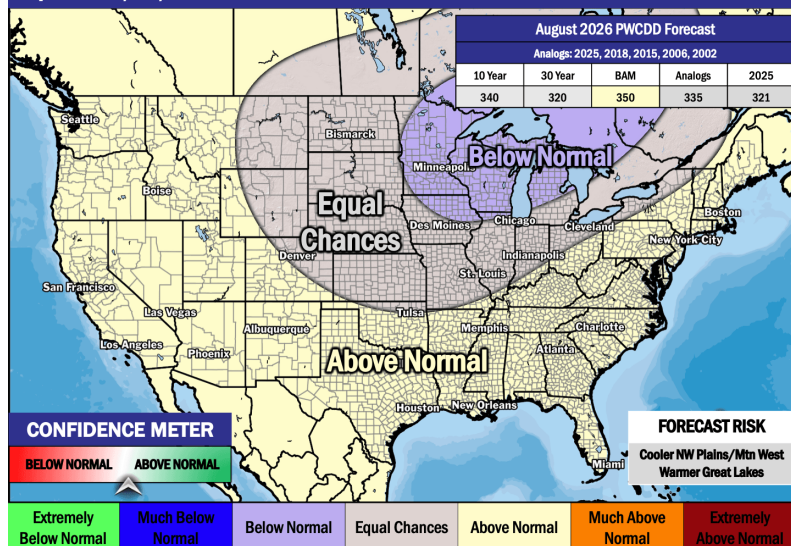
August 2026

August Temperature Outlook



Updated: 7/13/26

Forecaster: Walts

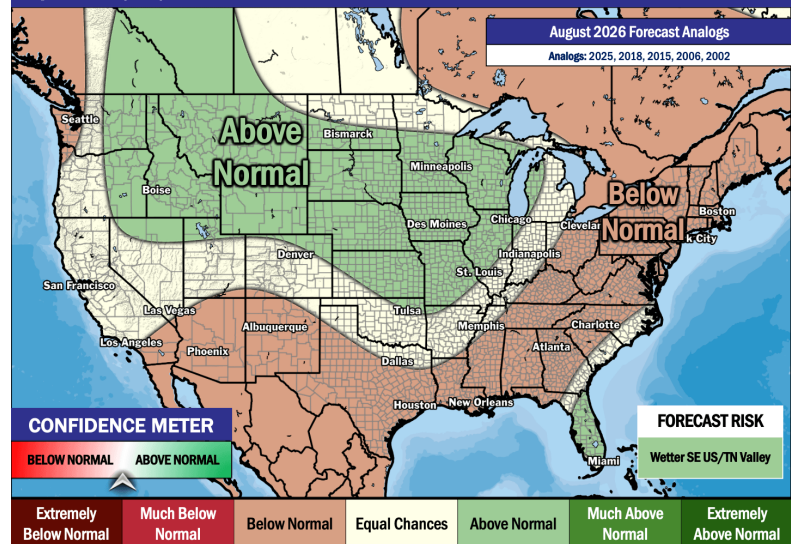


August Precipitation Outlook



Updated: 7/13/26

Forecaster: Walts

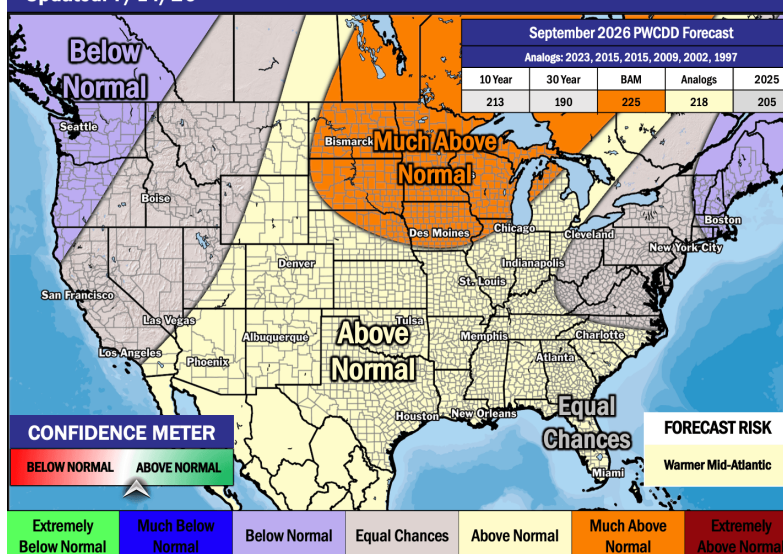


September 2026

September Temperature Outlook



Updated: 7/14/26

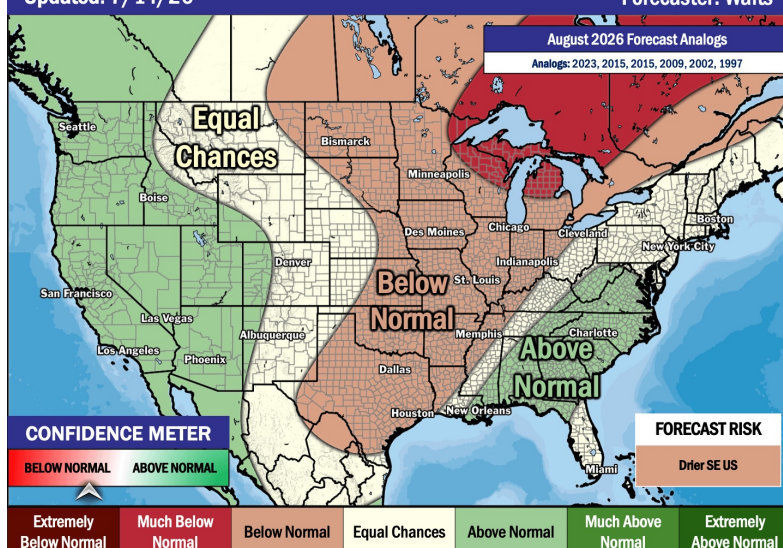


September Precipitation Outlook



Updated: 7/14/26

Forecaster: Walts



Key Forecast Notes

- ✓ Into August, top analogs favor a cooler pattern in the Midwest and Great Lakes with warmer coastal regions. They also favor a continued active middle of the US with a drier lean in the S. Central US and NE US.
- ✓ September continues to be the most likely month to see the most persistent above normal temperatures and late summer heat. This should also allow for a drier pattern to emerge to start the Harvest Season.

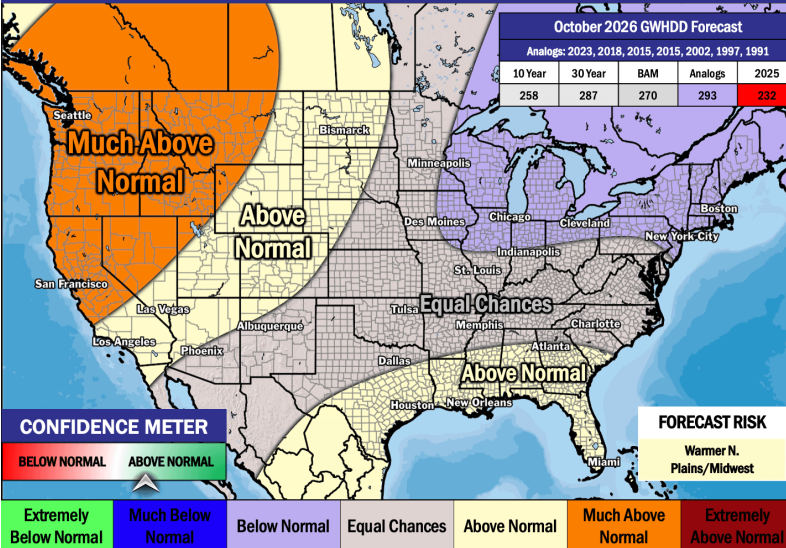
October 2026

October Temperature Outlook



Updated: 7/16/26

Forecaster: Walts



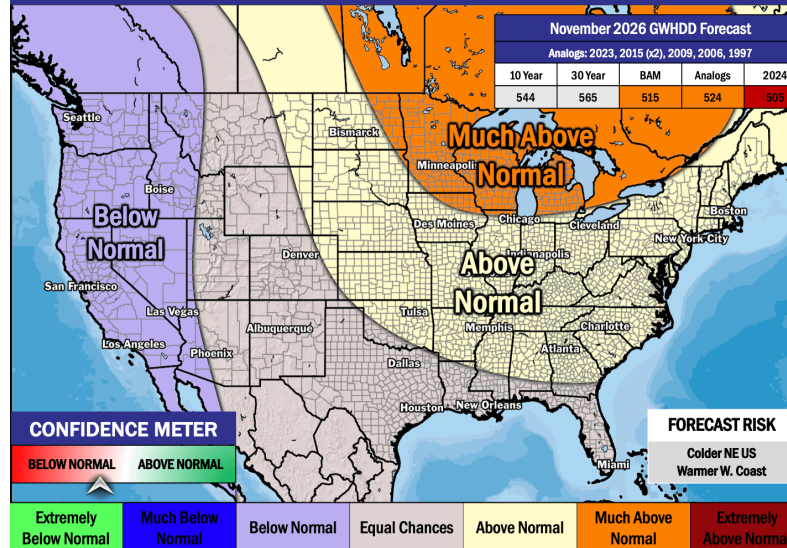
November 2026

November Temperature Outlook



Updated: 6/24/26

Forecaster: Walts

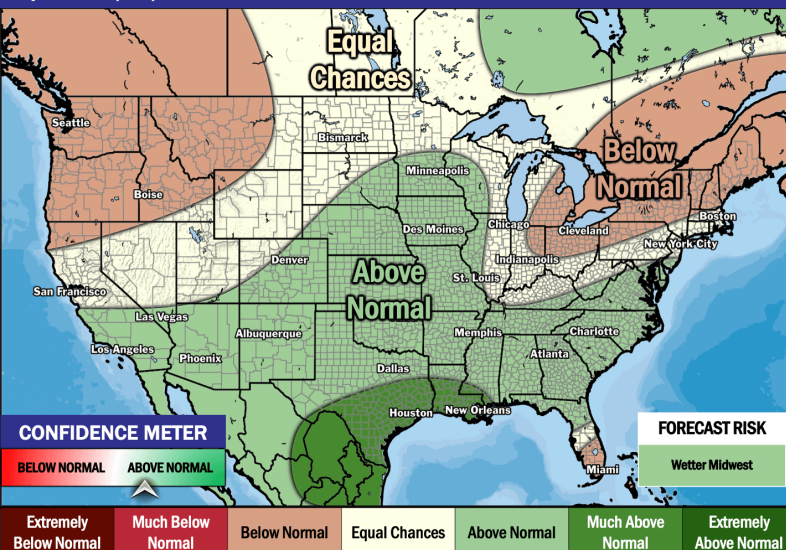


October Precipitation Outlook



Updated: 7/16/26

Forecaster: Walts

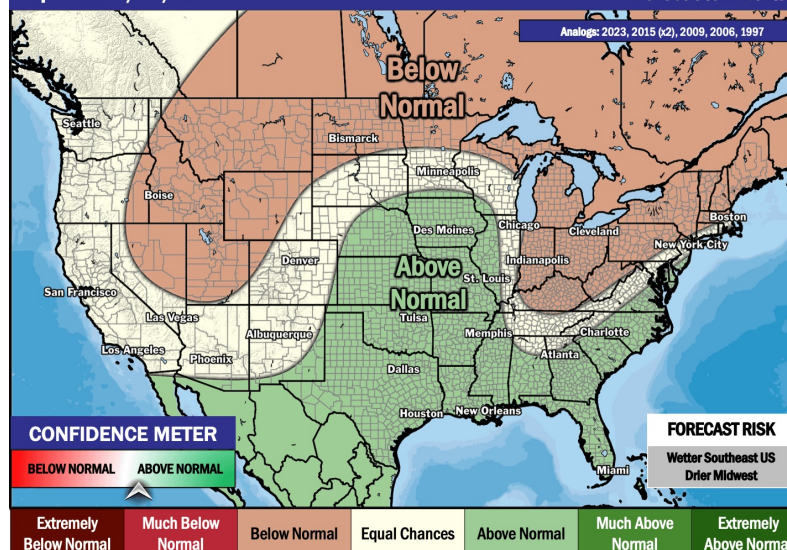


November Precipitation Outlook



Updated: 6/24/26

Forecaster: Walts



Key Forecast Notes

- ✓ October should see a retrogression of above normal temperatures with cooler air developing in the E. US. Some warmer air southeast should keep a favorable gradient for rainfall and increasing moisture especially late month. Drier risks in the Great Lakes to NE.
- ✓ A strong Pacific Jet stream driven by a rare Super El Niño will likely flood the US with mild air. Favoring widespread above normal temperatures for the C/E US. An active sub-tropical jet will allow the Central and SE US to run wetter than normal.



Energy Focus: Short-Term

Tuesday, July 21, 2026

Week 1 POPCDDs

10 Year CDDs 83.1

30 Year CDDs 78.6

BAM PWCDDs 89.0

Total CDD Change vs
BAM Week 2 Last Week -4.5

Week 1 Confidence

Near Normal

Roll Forward Risk

Warmer S. Plains

Week 2 POPCDDs

10 Year CDDs 82.0

30 Year CDDs 77.4

BAM PWCDDs 96.5

Week 2 Confidence

Near Normal

Roll Forward Risk

Cooler NE US

July PWCDD Data

July MTD

272.6

RANK

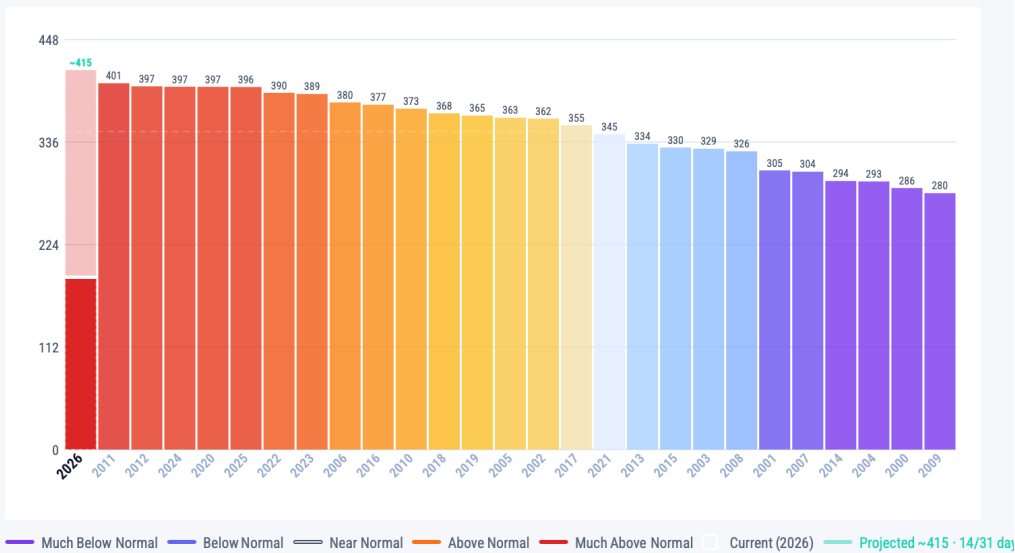
1st/ 74

1st = **WARMEST** || 74th = **COLDEST**

BAM JULY CDD FORECAST:

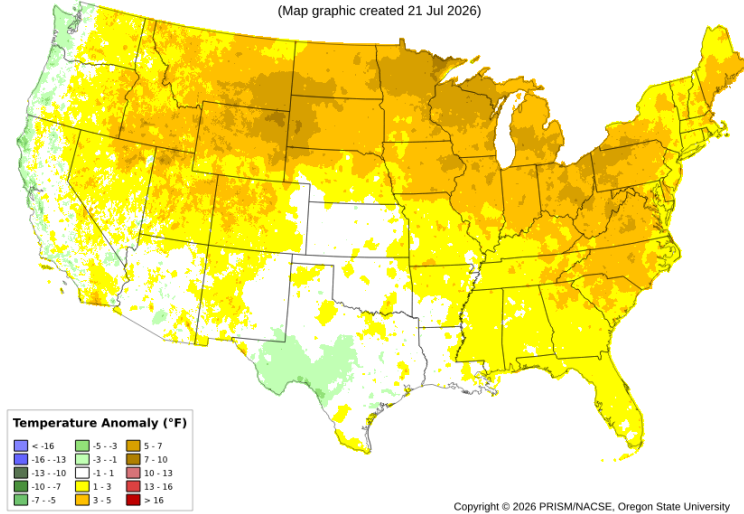
415

POPCDDs — July Rankings



July MTD Temp Departure

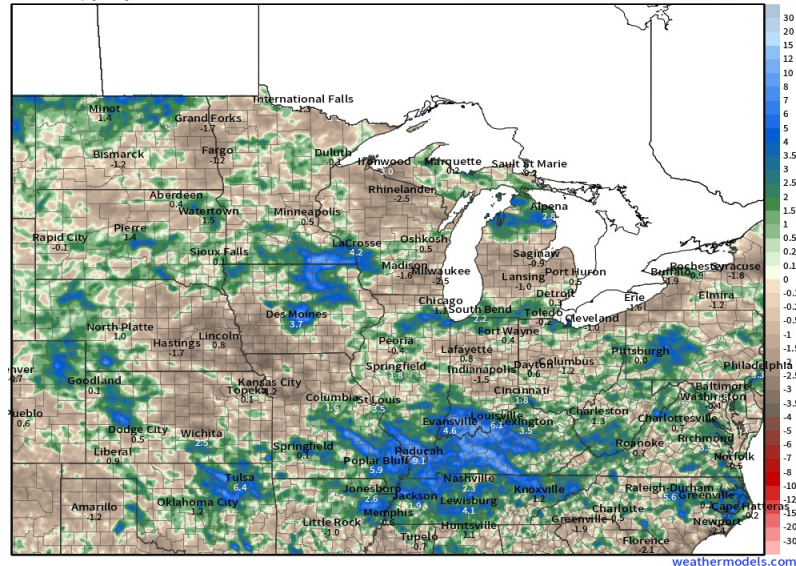
Daily Mean Temperature Anomaly: 01 Jul 2026 - 20 Jul 2026
Period ending 7 AM EST 20 Jul 2026
Base period: 1991 - 2020
(Map graphic created 21 Jul 2026)



Last 30-Day Precip Departure

NWS | Precipitation Anomaly [inches] -- Last 30 days
Anomaly [inch] between Sun 12Z21JUN2026 -- Tue 12Z21JUL2026

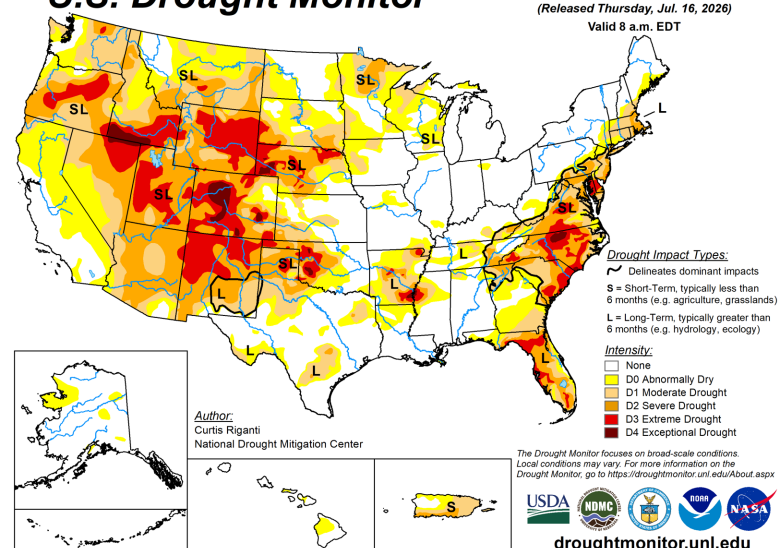
MIN:MAX: -4.6 | 15.0 INCH
AREAL AVG: 0.4 INCH



Drought Monitor

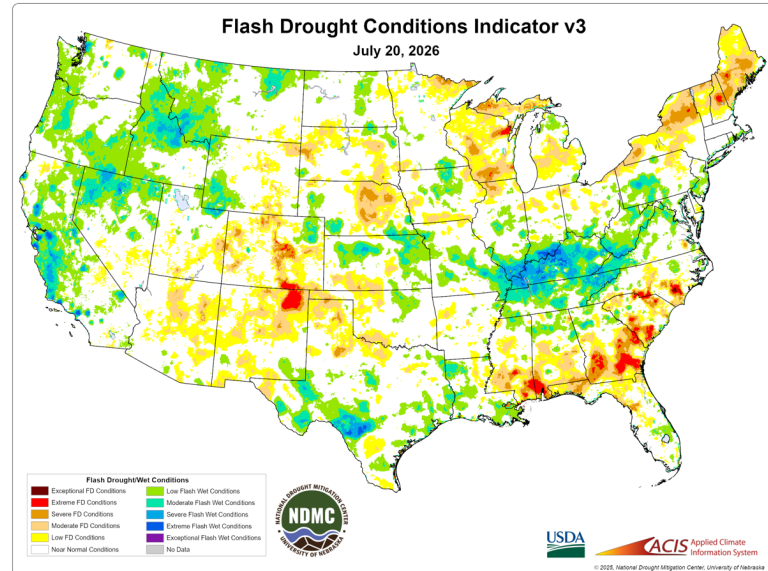
U.S. Drought Monitor

July 14, 2026
(Released Thursday, Jul. 16, 2026)
Valid 8 a.m. EDT



Flash Drought Indicator

Flash Drought Conditions Indicator v3
July 20, 2026



About Maps:

Temperature and precipitation departures take recorded conditions vs. the last 30-year averages.

The Flash Drought Conditions Indicator (FDI) is an automated assessment of the rate at which conditions are changing toward drought or abnormal wetness.

Corn Yield Analogs

LATEST FINAL
186.5 bu/ac
2025 (final)

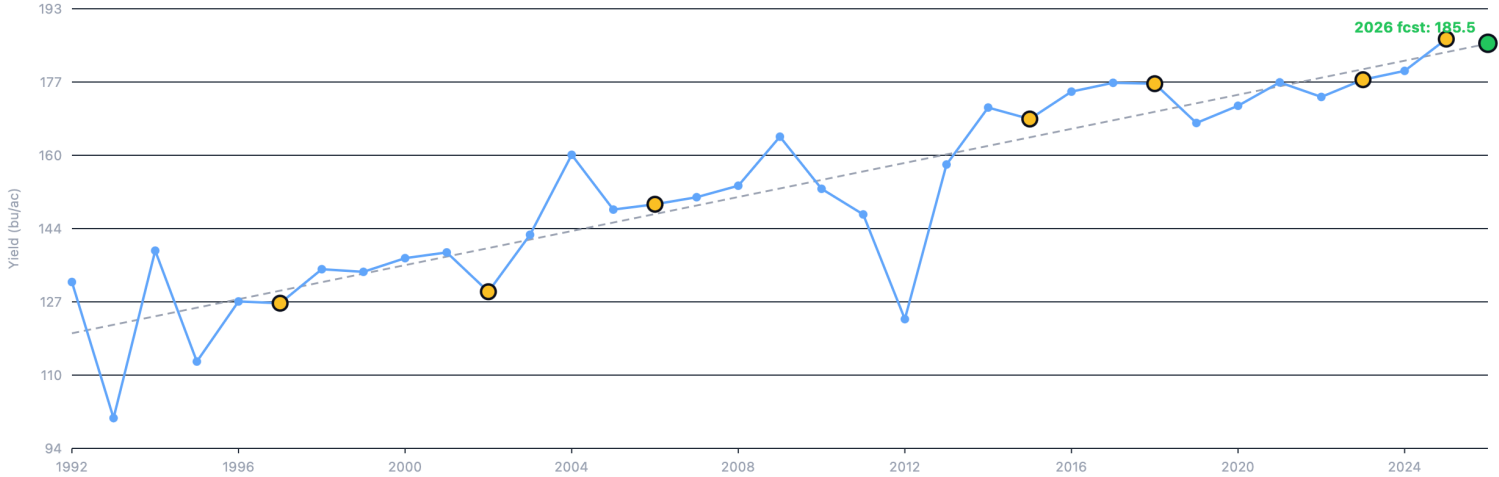
TREND YIELD (THIS YEAR)
185.5 bu/ac
OLS projected for 2026

ANALOG FORECAST
185.5 bu/ac
7 analogs · mean dev +0.1

Δ VS TREND
+0.1 bu/ac
+0.0% vs trend

Yield by Year click points on chart or chips below to toggle analogs

☐ Detrend (anomaly mode) [↓ PNG](#) [CLEAR ANALOGS](#)



Soybean Yield Analogs

LATEST FINAL
53.0 bu/ac
2025 (final)

TREND YIELD (THIS YEAR)
52.5 bu/ac
OLS projected for 2026

ANALOG FORECAST
53.2 bu/ac
7 analogs · mean dev +0.7

Δ VS TREND
+0.7 bu/ac
+1.3% vs trend

Yield by Year click points on chart or chips below to toggle analogs

☐ Detrend (anomaly mode) [↓ PNG](#) [CLEAR ANALOGS](#)

