



## Important Messages:

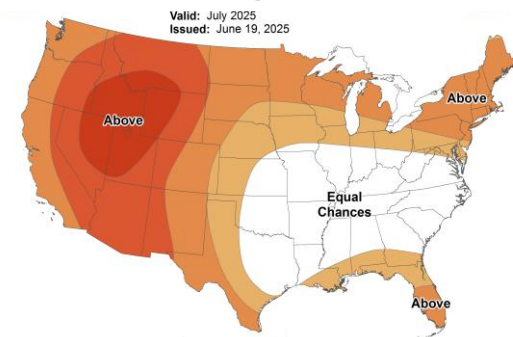
Seasonal outlook continues to lean warm

- ✓ The key player in the monthly and seasonal forecast was soil moisture as the lack of influence from either ENSO or the MJO continue.
- ✓ ENSO neutral conditions remain favored through the upcoming winter, although La Niña conditions may return by NDJ (41% chance vs. 48% for ENSO neutral).
- ✓ Little change in drought conditions are anticipated across the region with only slight improvements forecast near the Great Lakes and only a slight expansion across portions of WY into western ND.

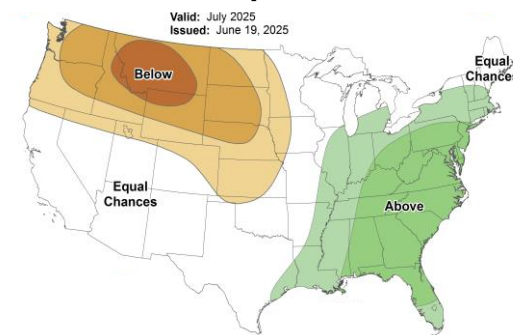
## July 2025 Temperature & Precipitation Outlooks

- Above normal soil moisture played a key role in the large area for equal chances of above-normal or below-normal temps across the southern portion of the region. Above-normal temps are favored elsewhere due to trends, model guidance and dry soils.
- The swath favoring below-normal precipitation extending from the northern Rockies into the plains was a result of trends, model guidance and dry soils. The area favoring above-normal precip was influenced by model data (including weeks 3-4) and trends.

## One Month Temperature Outlook



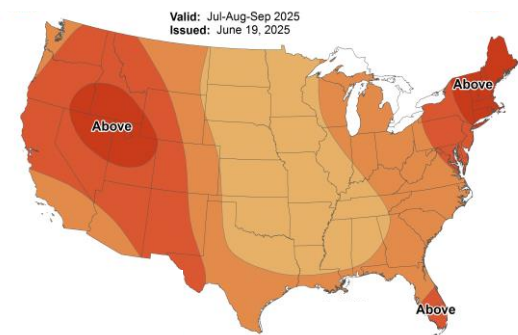
## One Month Precipitation Outlook



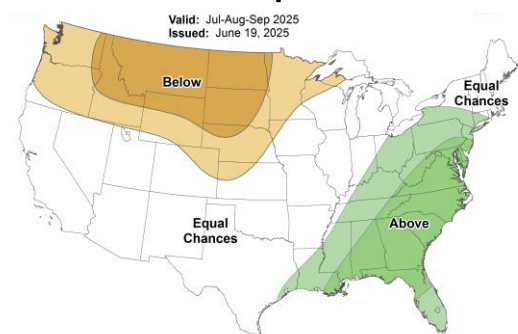
## Jul-Aug-Sep 2025 Temperature & Precipitation Outlooks

- Above-normal temperatures are favored across the entire CONUS for the July-August-September seasonal period with the reduced probabilities across the center of the CONUS being a reflection of soil moisture conditions, model guidance and a constructed analog based on sea surface temps (SSTs).
- Similar to the monthly outlook, the area favoring below-normal precipitation extending from the northern Rockies into the plains was a result of trends, model guidance as well as a drier than normal surface state. The area favoring above-normal precip was influenced by model data and trends.

## Three Month Temperature Outlook



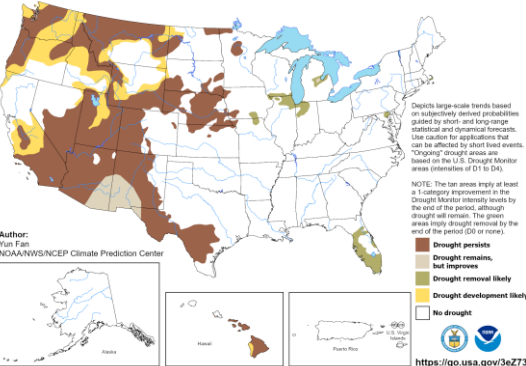
## Three Month Precipitation Outlook



## Seasonal Drought Outlook

U.S. Seasonal Drought Outlook  
Drought Tendency During the Valid Period

Valid for June 19 - September 30, 2025  
Released June 19, 2025

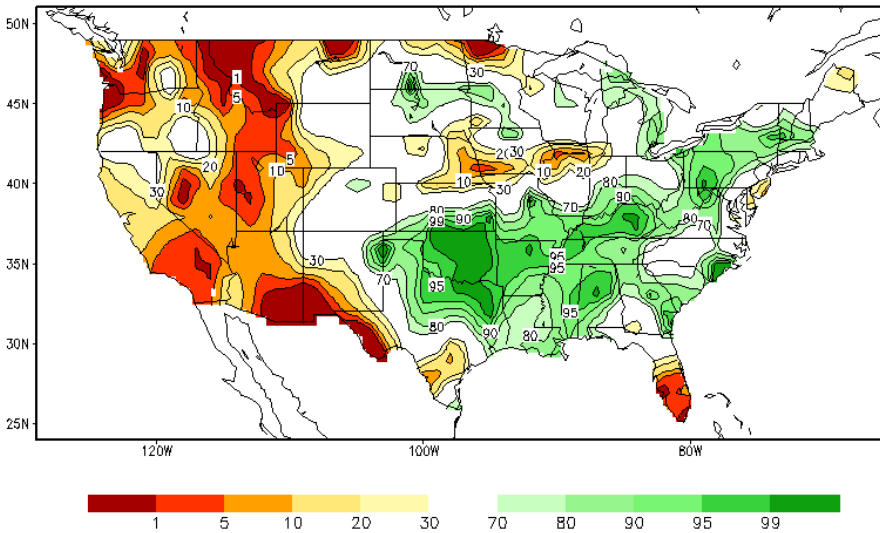


- Much of CR is anticipated to remain drought free with the ongoing drought conditions across portions of the central and northern plains (Midwest) forecast to persist (due to conflicting signals between the short and long term guidance).
- A slight expansion in drought conditions is possible across WY into the western Dakotas with some slight improvements possible near the Great Lakes region.



## ENSO Status: ENSO Neutral Conditions Continue

Calculated Soil Moisture Ranking Percentile  
JUN 19, 2025



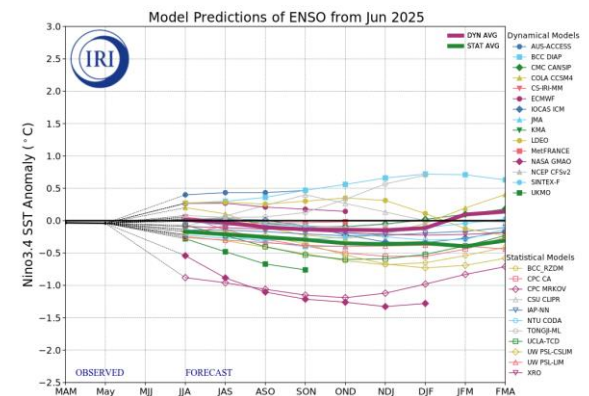
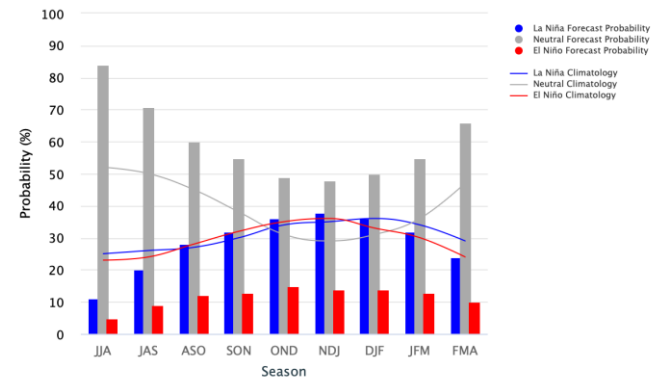
With ENSO neutral conditions favored to continue into the fall months and with a lack of influence from other teleconnections (such as the MJO), soil moisture (along with model data and trends) once again played a key role in the monthly and seasonal forecasts. As can be seen in the map above from CPC, soil moisture remains elevated from the Southern Plains into the Ohio River valley. Increased soil moisture can have a cooling effect on temperatures as well as an influence precipitation – and these impacts were incorporated into this month's forecasts.

## Useful Links/Info:

News from [Climate.gov](https://climate.gov)  
[Latest ENSO Blog](https://climate.gov/blog/latest-ensoblog) from Climate.gov  
[Sea Surface Temperatures](https://climatepredictioncenter.org/sea-surface-temperatures) from the Climate Prediction Center  
[Latest ENSO Discussion](https://climatepredictioncenter.org/latest-ensodiscussion) from the Climate Prediction Center  
[Drought Information](https://droughtmonitor.noaa.gov/) from the US Drought Monitor  
[Interactive GIS Mapping](https://climatepredictioncenter.org/interactive-gis-mapping) from NCEI (Anomalies/Rankings)  
[Local Climate Analysis Tool](https://climatepredictioncenter.org/local-climate-analysis-tool) (LCAT) – Account registration required

## IRI/CPC Probabilistic ENSO Forecast/Plumes

Mid-June 2025 IRI Model-Based Probabilistic ENSO Forecasts  
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5 °C to 0.5 °C



- Sea Surface Temperatures (SSTs) are very close to average across the equatorial Pacific and ENSO neutral conditions remain favored to continue through the upcoming winter, although La Niña conditions may return by NDJ (41% chance vs. 48% for ENSO neutral).
- While there is still uncertainty for either ENSO neutral or La Niña conditions being present this next winter, the big takeaway is the chances for an El Niño winter are very low.

## Other Teleconnection Info

- The MJO remains in a weak and incoherent state, and despite lots of spread in model data, the MJO is expected to remain on the weaker side and it correspondingly had little impact on this month's forecasts.

