



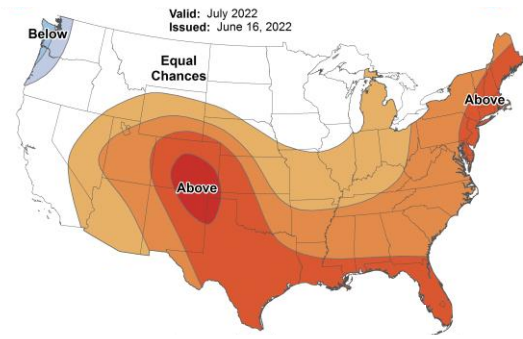
## ✓ Important Message: A Warm & Dry Theme

- ✓ A La Niña Advisory remains in effect as equatorial sea surface temperatures remain below normal. The odds are for La Niña to decrease into late summer, (52% chance in JAS 2022) before slightly increasing through the fall and early winter 2022 (58-59% chance).
- ✓ Warmer and drier conditions are favored for July, August, and September over much of the central plains and Rockies. These conditions will likely cause the ongoing drought parts of Central Region to persist or expand.

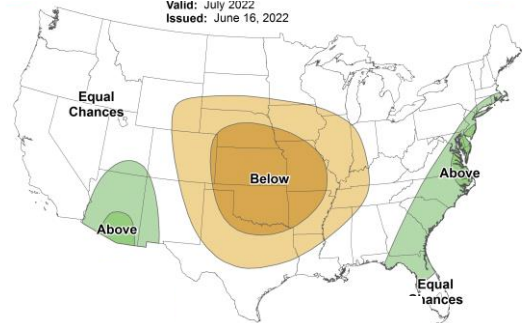
## July 2022 Temperature & Precipitation Outlooks

- The temperature outlook for the southern and eastern areas of CR favor above normal temps, with equal chances elsewhere. The highest probabilities will be over parts of KS, CO and western NE, mainly due to dry soil conditions. Greater uncertainty among temperature tools led to lower probabilities for above normal temps across the Ohio Valley.
- Below average precip is favored across the southern portion of CR with the highest potential in KS, MO and southern NE. The below normal precipitation is consistent with dynamical models.

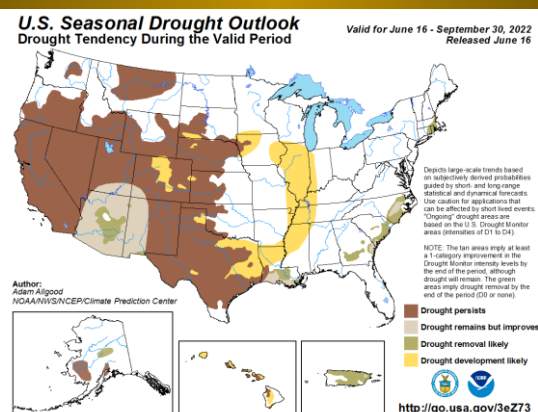
### One Month Temperature Outlook



### One Month Precipitation Outlook



## Seasonal Drought Outlook

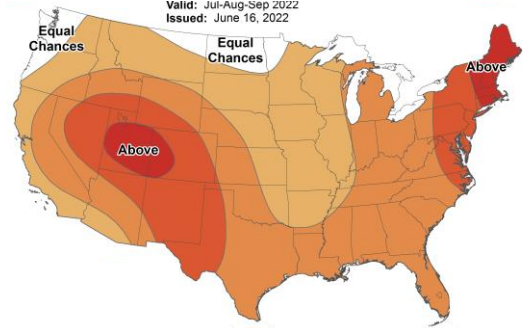


- The seasonal drought outlook favors both warmer and drier than normal conditions from the central plains across much of the Rockies, with potential impacts across the central US.
- Drought conditions are favored to persist over much of the plains and Rockies.
  - Drought is likely to develop over parts of IL, IA, and KY.

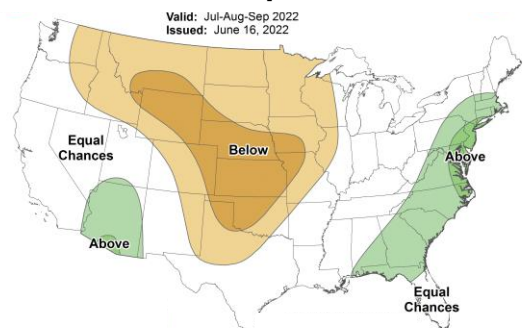
## July 2022 through Sep 2022 Temperature & Precipitation Outlooks

- Above normal temperatures are favored for all of CR except for most of ND and northwest MN. The latest NMME and neutral decadal trends during the mid to late summer support lower probabilities for above normal temperatures across the Mississippi River valley.
- Below normal precipitation is favored for much of CR, except the eastern quarter where equal chances for above-below or near normal precip exist. The below normal precipitation is based on a consensus between the latest dynamical models and La Niña precipitation composites.

### Three Month Temperature Outlook



### Three Month Precipitation Outlook

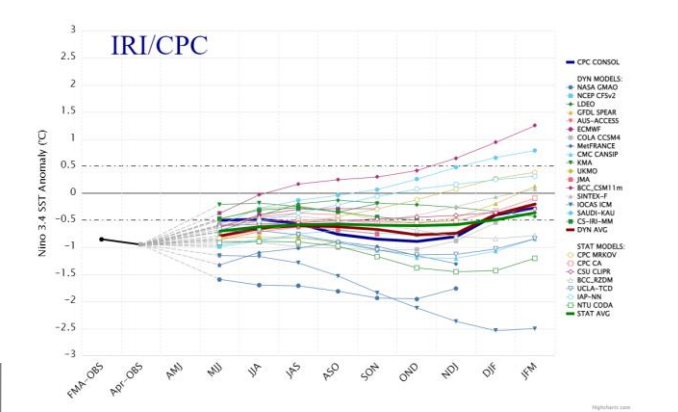
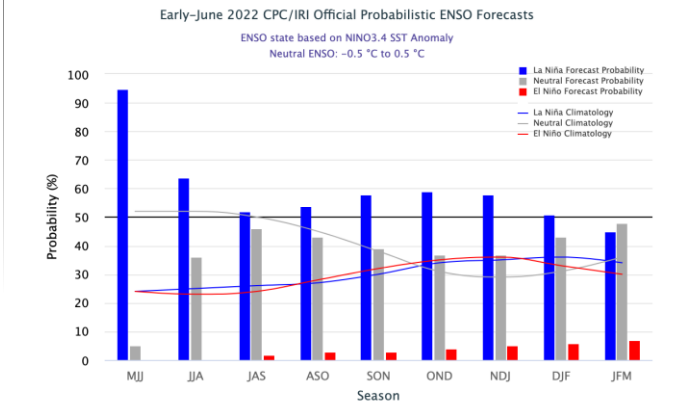
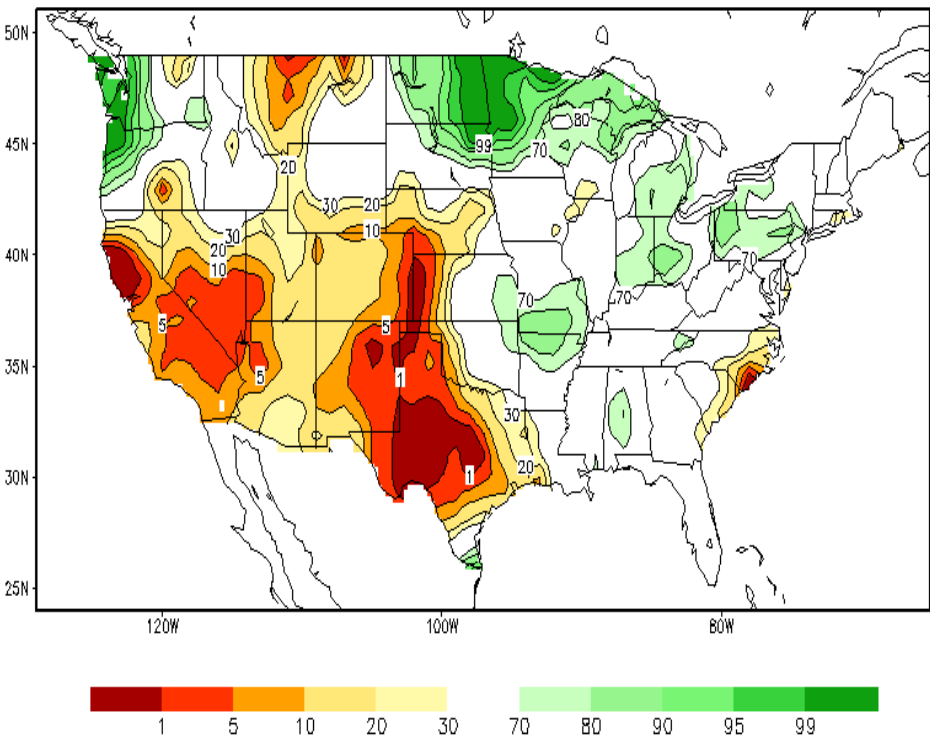




## Soil Moisture: A Component to the Temperature Outlook

## IRI/CPC Probabilistic ENSO Forecast/Plumes

Soil Moisture Ranking Percentile Last day of MAY, 2022



Soil moisture plays a role with the monthly and seasonal temperature outlooks. Already dry soil moisture in the western central Plains and Rockies increases the probability for above normal temperatures.

- A La Niña Advisory remains in effect as equatorial sea surface temperatures remain below normal. The odds are for La Niña to decrease into the late summer, (52% chance in JAS 2022) before slightly increasing through the fall and early winter 2022 (58-59% chance).

### Useful Links/Info:

- News from [Climate.gov](https://www.climate.gov)
- [Latest ENSO Blog](#) from Climate.gov
- [Sea Surface Temperatures](#) from the Climate Prediction Center
- [Latest ENSO Discussion](#) from the Climate Prediction Center
- [Drought Information](#) from the US Drought Monitor
- [Interactive GIS Mapping](#) from NCEI (Anomalies/Rankings)
- [Local Climate Analysis Tool](#) (LCAT) – Account registration required
- [NWS Forecast Maps](#) from Western Region
- [U.S. Agricultural Commodities in Drought](#) - USDA

### Other Teleconnection Effects

- The Real-Time Multivariate Madden Julian Oscillation ([RMM](#)) index indicates that MJO conditions have weakened. Forecasts of the MJO are highly uncertain at this time, and the MJO does not play a role in the climate outlook for July.

