



Montana DWSAC Briefing



Don Britton

NWS Great Falls



Weather-Ready Nation

National Oceanic and Atmospheric Administration



Montana: Summer (Jul-Sep) 2023

Average Temperature ranked 11th warmest on record

Avg Temp	Historical Climate Mean	Departure
64.3°F	61.2°F	3.1°F

Precipitation: "Near Normal"

Precip	20 th Century Average	Departure
4.26"	4.35"	-0.09"



Map released: Thurs. October 12, 2023

Data valid: October 10, 2023 at 8 a.m. EDT

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

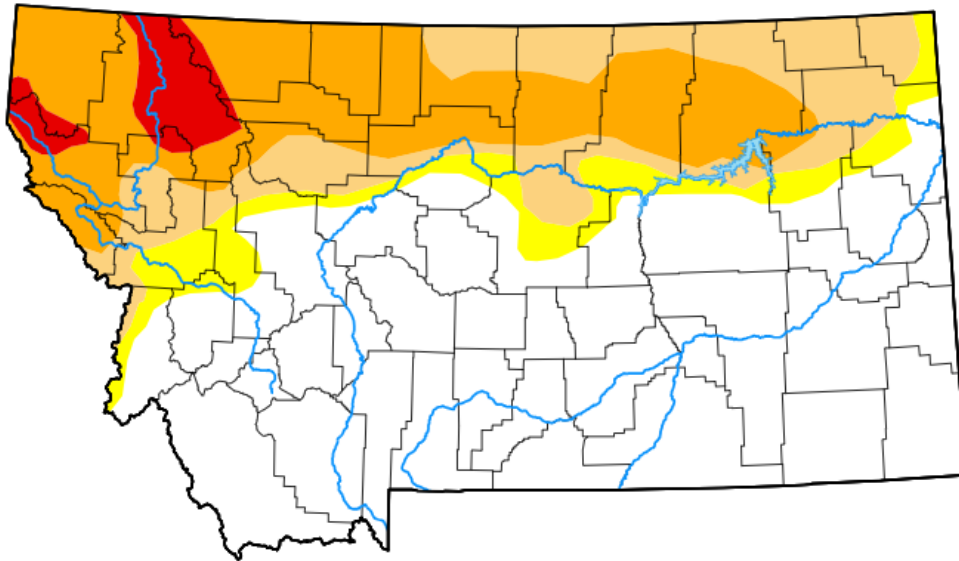
Authors

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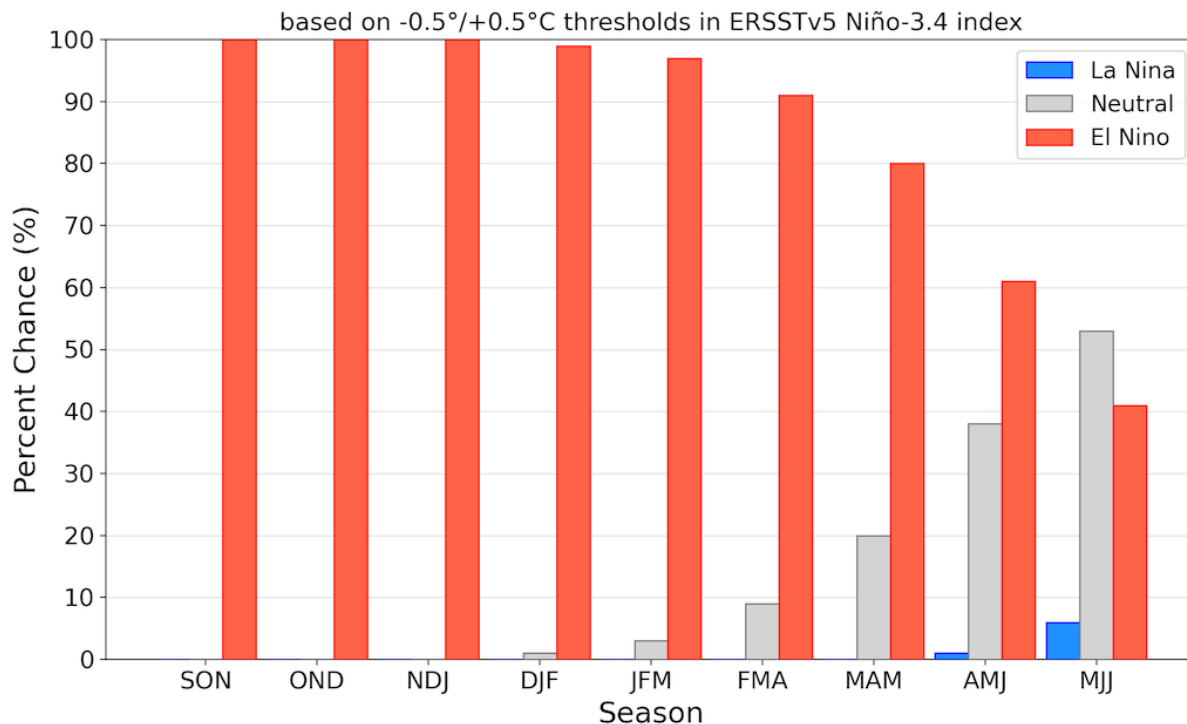




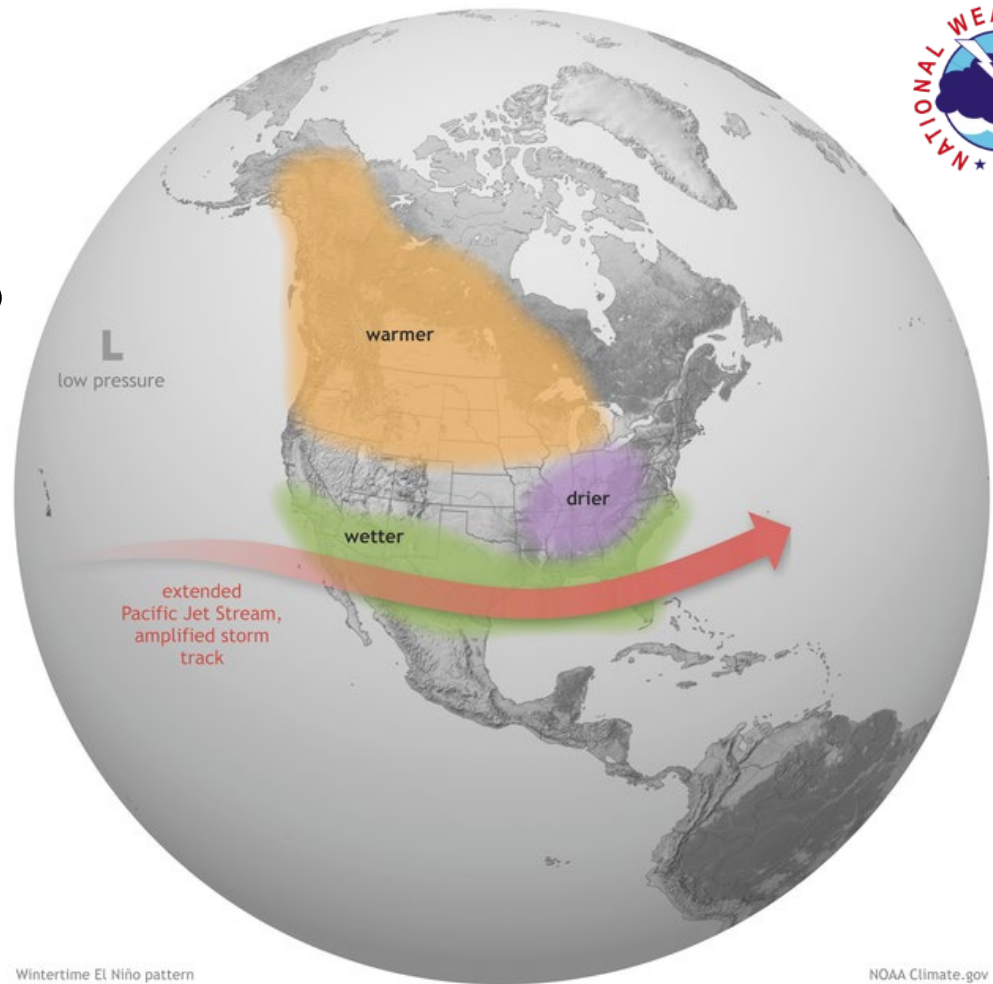
ENSO



Official NOAA CPC ENSO Probabilities (issued Oct. 2023)

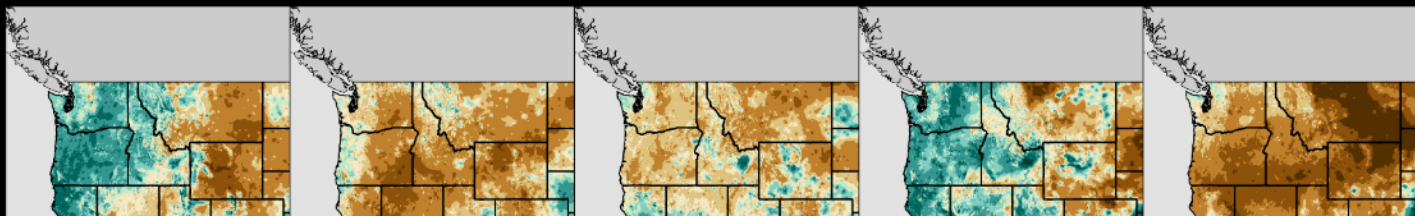


El Nino Effects



EL NIÑO EVENTS (DJF): PRECIPITATION

STRONG



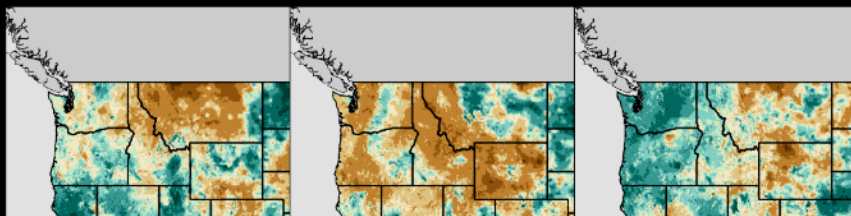
1957-1958

1965-1966

1972-1973

1982-1983

1991-1992



1997-1998

2009-2010

2015-2016



El Nino is occurring

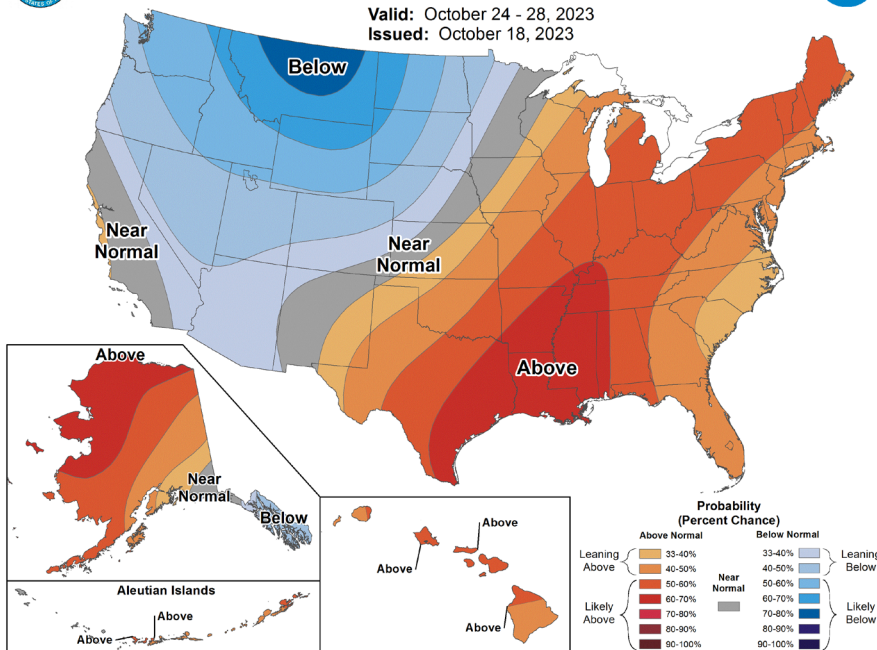
- Typically experience “not as cold” and “not as snowy” winters
- We may still see frigid temperatures at times
- We may still see heavy snow at times
- Remember, even one winter storm can result in major impacts

6 to 10 Day Outlook



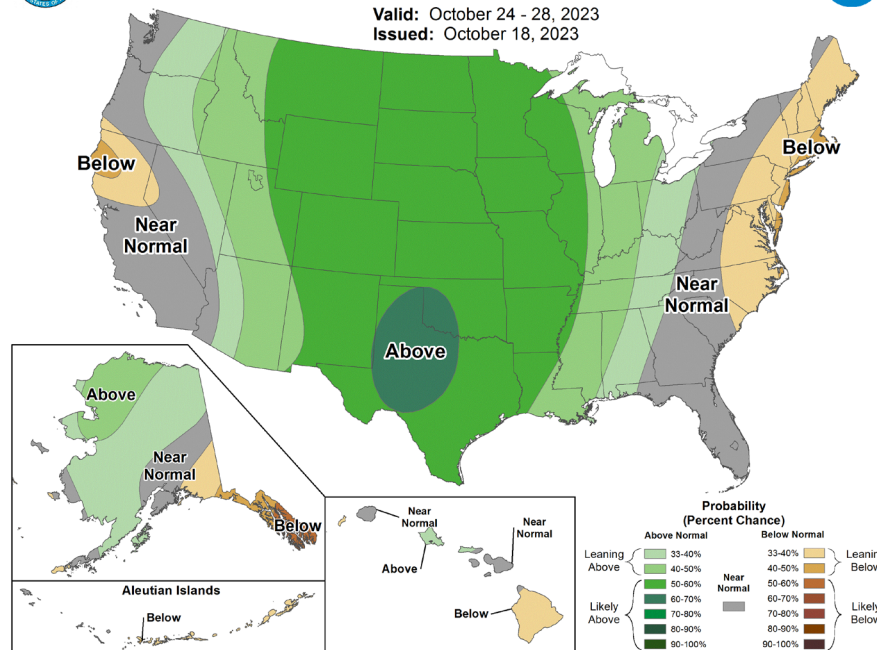
6-10 Day Temperature Outlook

Valid: October 24 - 28, 2023
Issued: October 18, 2023



6-10 Day Precipitation Outlook

Valid: October 24 - 28, 2023
Issued: October 18, 2023

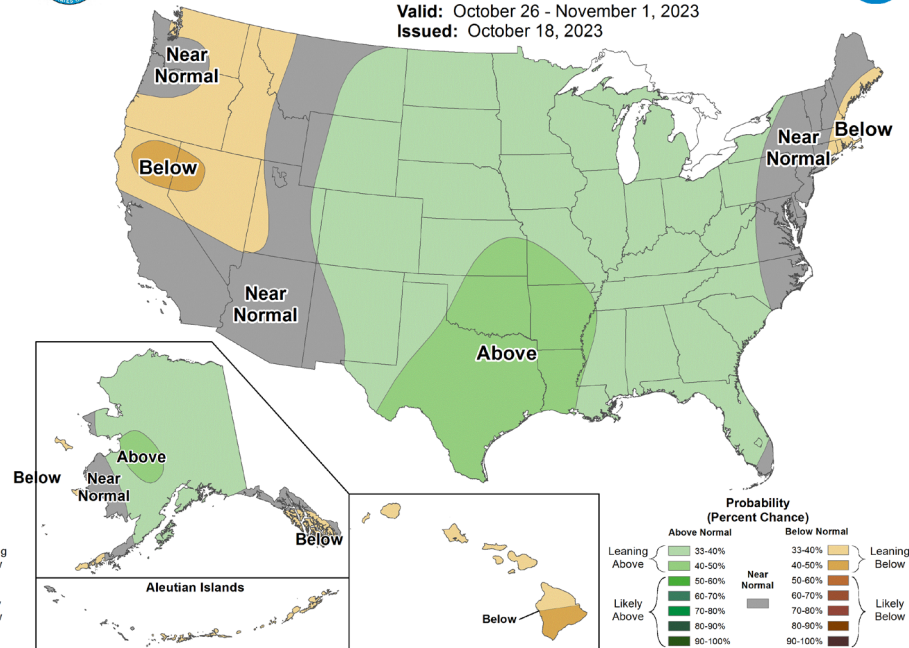




Valid: October 26 - November 1, 2023
Issued: October 18, 2023



Valid: October 26 - November 1, 2023
Issued: October 18, 2023



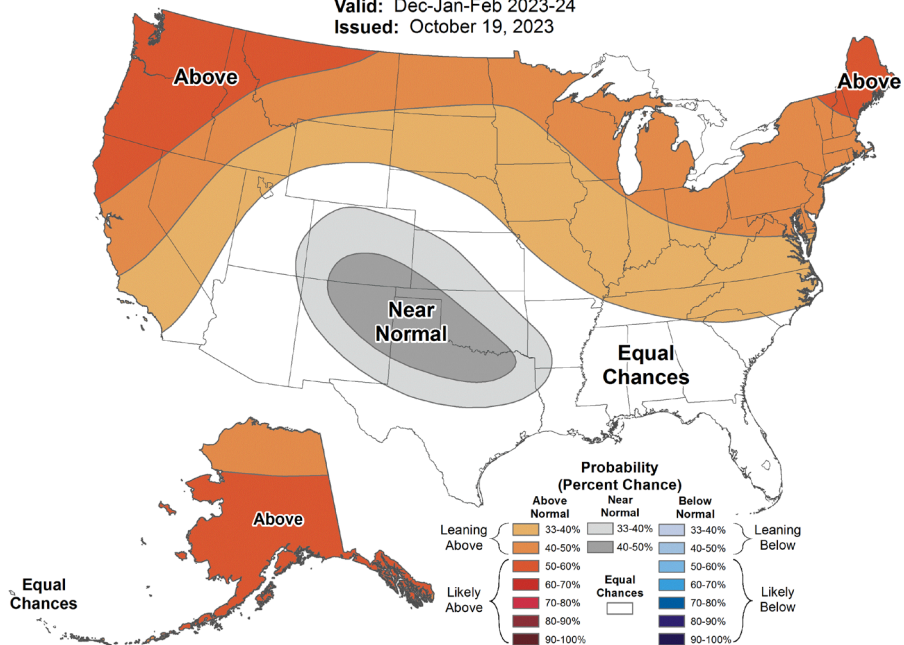


Core Winter Outlook



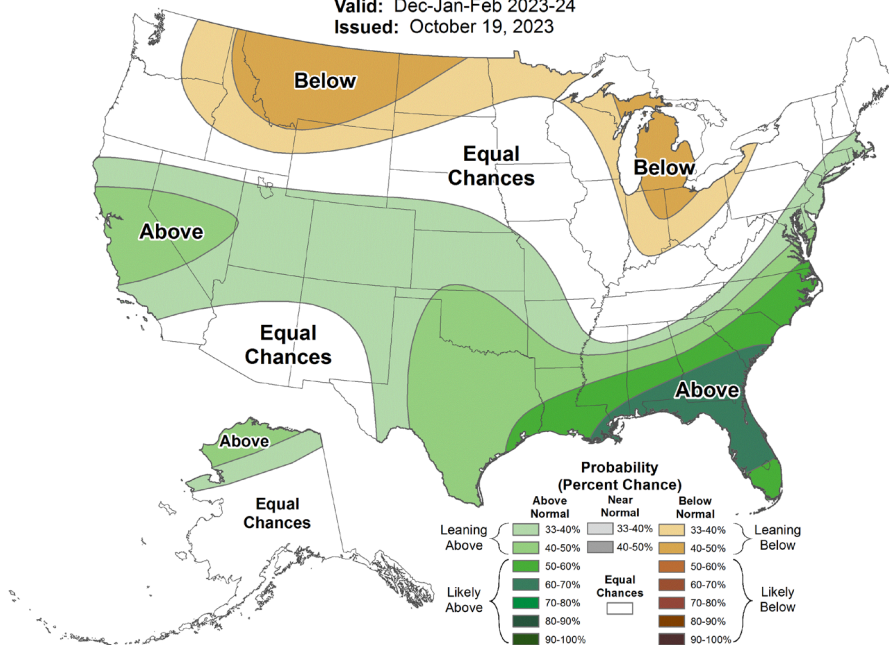
Seasonal Temperature Outlook

Valid: Dec-Jan-Feb 2023-24
Issued: October 19, 2023



Seasonal Precipitation Outlook

Valid: Dec-Jan-Feb 2023-24
Issued: October 19, 2023

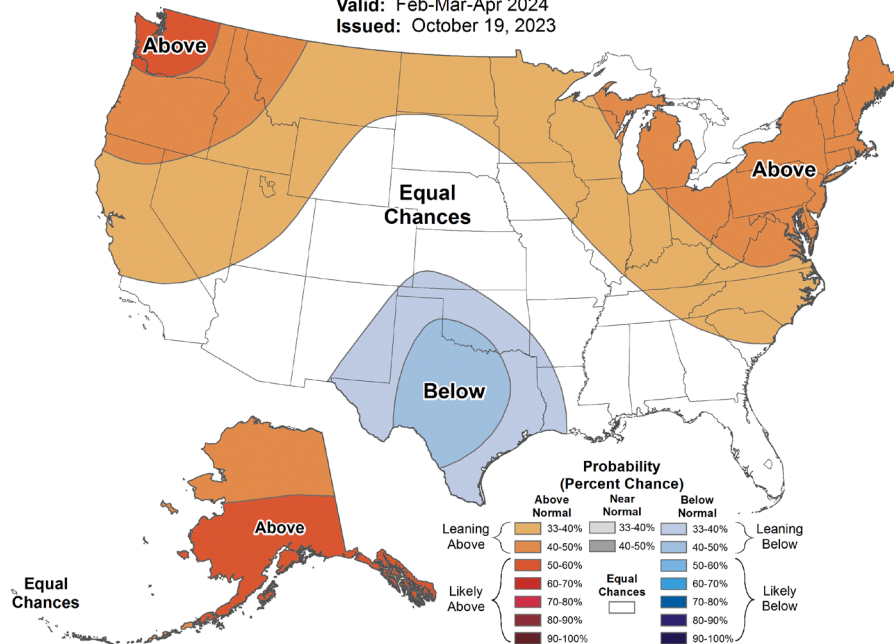


Late Winter Outlook



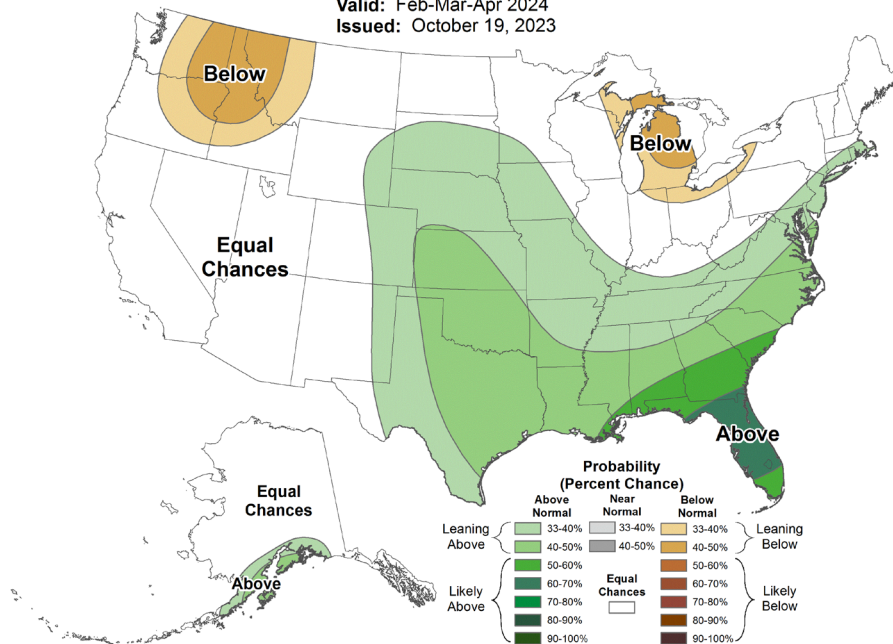
Seasonal Temperature Outlook

Valid: Feb-Mar-Apr 2024
Issued: October 19, 2023



Seasonal Precipitation Outlook

Valid: Feb-Mar-Apr 2024
Issued: October 19, 2023



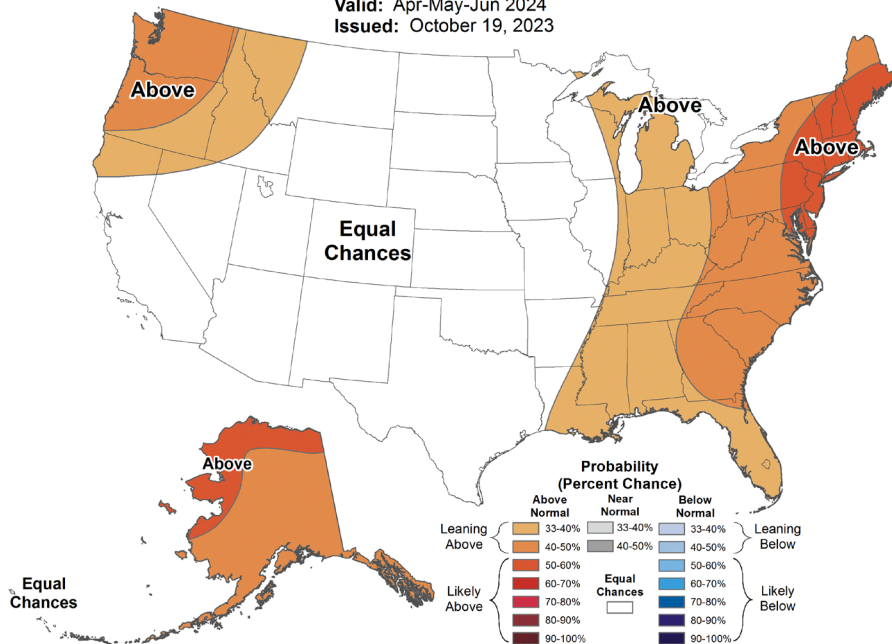
Early Spring Outlook



Seasonal Temperature Outlook



Valid: Apr-May-Jun 2024
Issued: October 19, 2023



Seasonal Precipitation Outlook



Valid: Apr-May-Jun 2024
Issued: October 19, 2023

