



# Winter Outlook for Middle Tennessee

National Weather Service Nashville

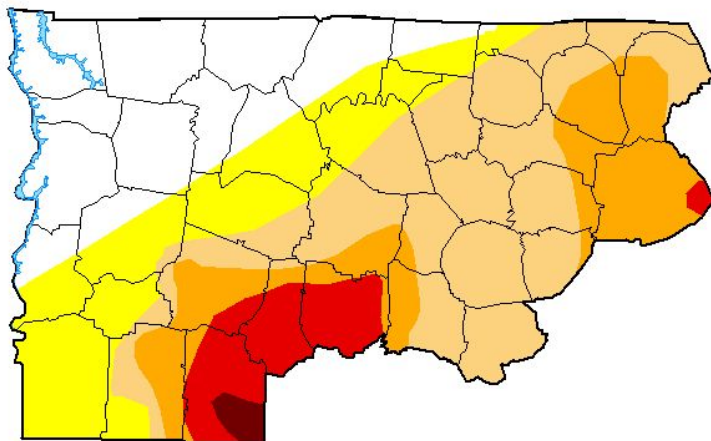
# Winter Outlook Highlights

- Most of Middle Tennessee is currently in a drought or at least considered “abnormally dry.” The drought is likely to persist throughout the winter in most areas.
- The Climate Prediction Center currently has a La Niña Watch, and it does appear that we are trending toward a La Niña winter.
- The outlook for December through February favors above normal temperatures across Middle Tennessee with near normal precipitation.

# U.S. Drought Monitor

## Nashville, TN WFO

**November 19, 2024**  
 (Released Thursday, Nov. 21, 2024)  
 Valid 7 a.m. EST



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	25.23	74.77	54.53	23.77	8.36	0.83
<b>Last Week</b> <i>11-12-2024</i>	16.17	83.83	56.87	19.89	7.62	0.00
<b>3 Months Ago</b> <i>08-20-2024</i>	46.53	53.47	24.20	10.05	0.00	0.00
<b>Start of Calendar Year</b> <i>01-02-2024</i>	0.00	100.00	100.00	96.17	67.40	1.76
<b>Start of Water Year</b> <i>10-01-2024</i>	5.15	94.85	20.77	2.16	0.00	0.00
<b>One Year Ago</b> <i>11-21-2023</i>	2.24	97.76	90.71	82.74	59.59	1.38

Intensity:



*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

Author:

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 CPC/NOAA/NWS/NCEP



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



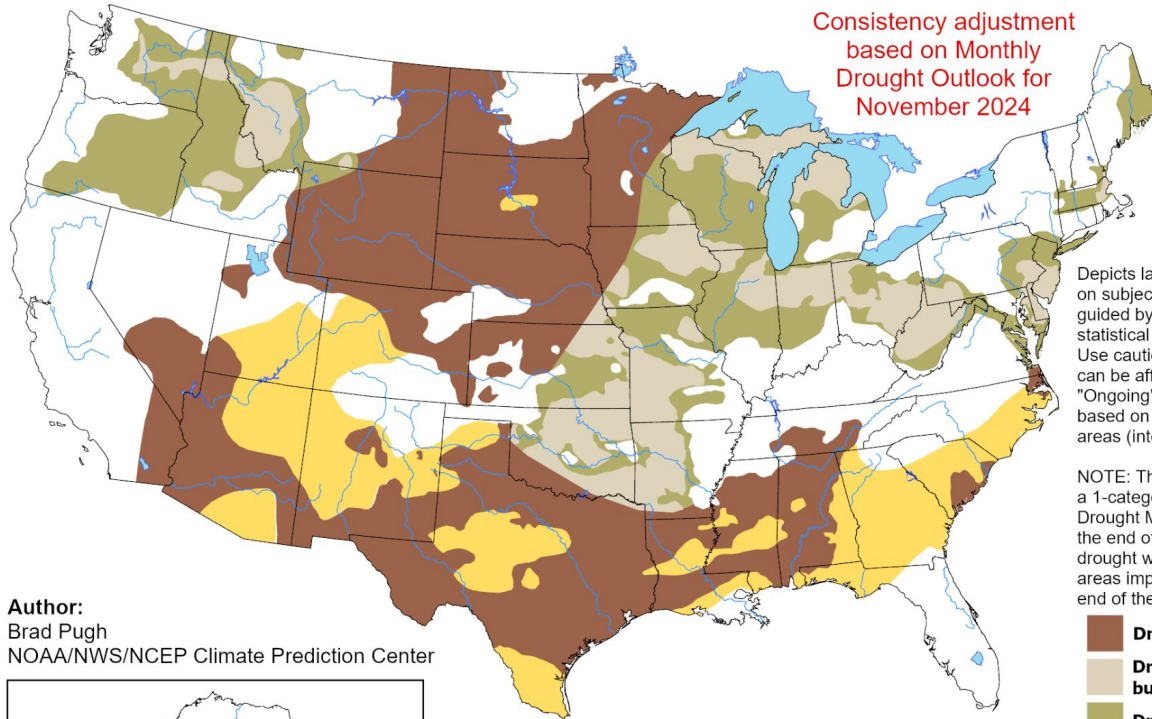
# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for November 1, 2024 - January 31, 2025

Released October 31, 2024

Consistency adjustment  
based on Monthly  
Drought Outlook for  
November 2024



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

-  **Drought persists**
-  **Drought remains, but improves**
-  **Drought removal likely**
-  **Drought development likely**
-  **No drought**

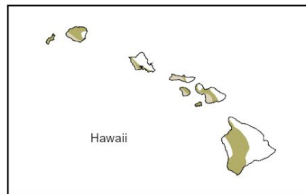
### Author:

Brad Pugh

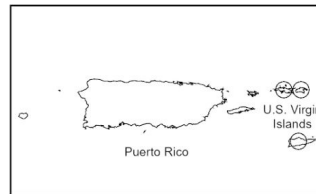
NOAA/NWS/NCEP Climate Prediction Center



Alaska



Hawaii



Puerto Rico



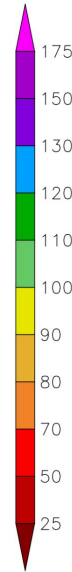
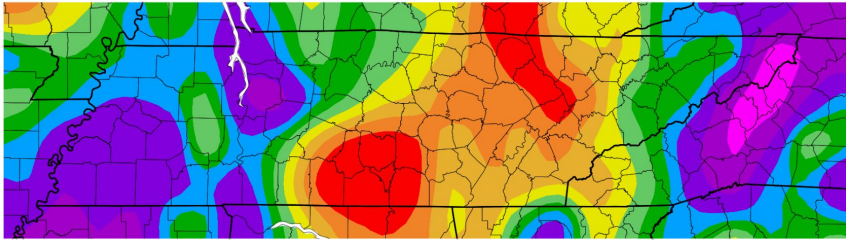
U.S. Virgin Islands



<https://go.usa.gov/3eZ73>

# 3-Month Rainfall Departures (August 24 - November 21)

Percent of Normal Precipitation (%)  
8/24/2024 - 11/21/2024



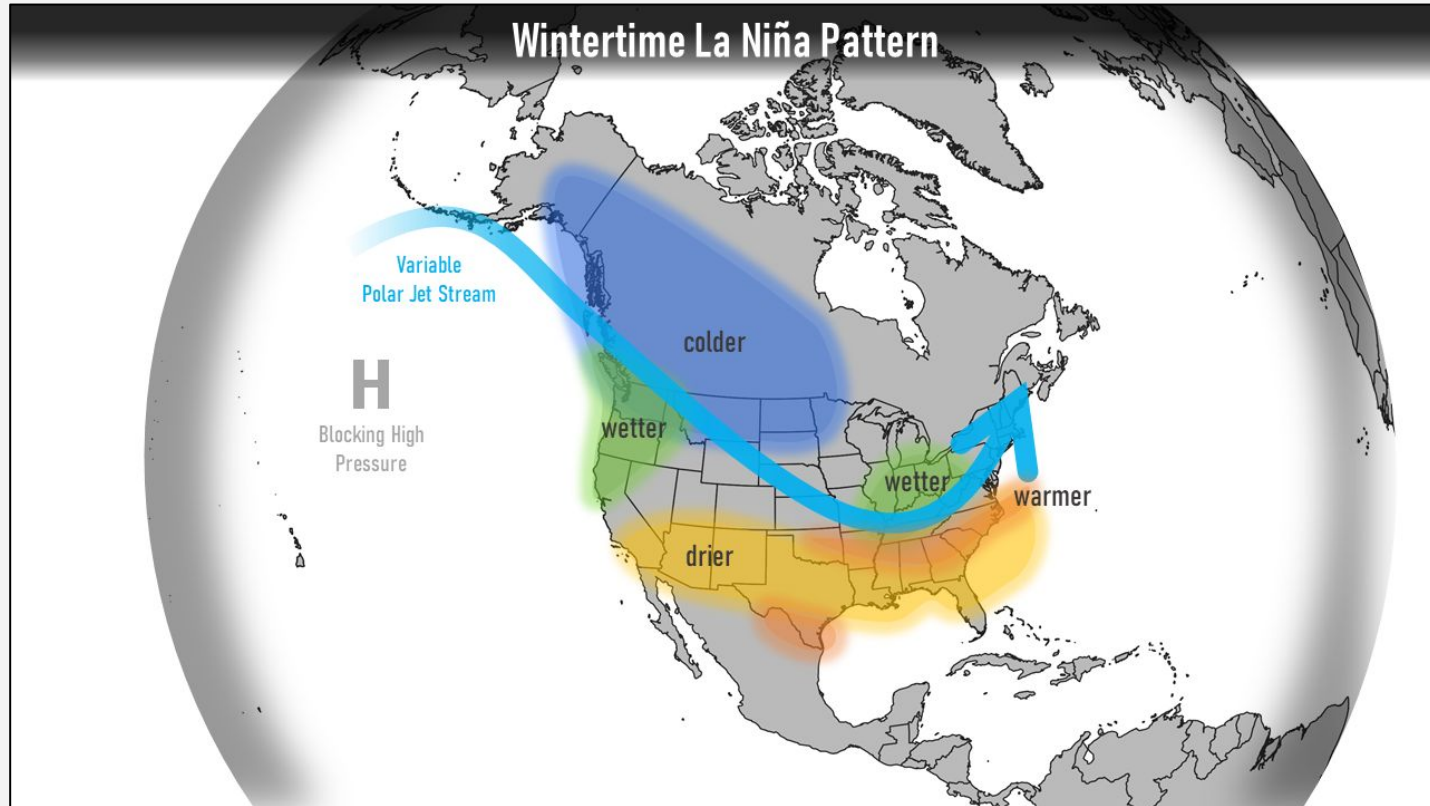
Significant portions of eastern and southern Middle Tennessee have received only 50-80% of their normal precipitation totals during the past 90 days, which has caused drought conditions to worsen.



# Southern Oscillation Outlook

- The Climate Prediction Center currently has a La Niña Watch.
- La Niña is most likely to emerge in October-December 2024 (57% chance) and is expected to persist through January-March 2025.
- La Niña winters in Middle Tennessee tend to result in normal to above normal precipitation. But because Middle Tennessee is so close to the dividing line between warm and cool, temperatures during La Niña winters are more mixed.

# What does La Niña mean for Middle Tennessee?

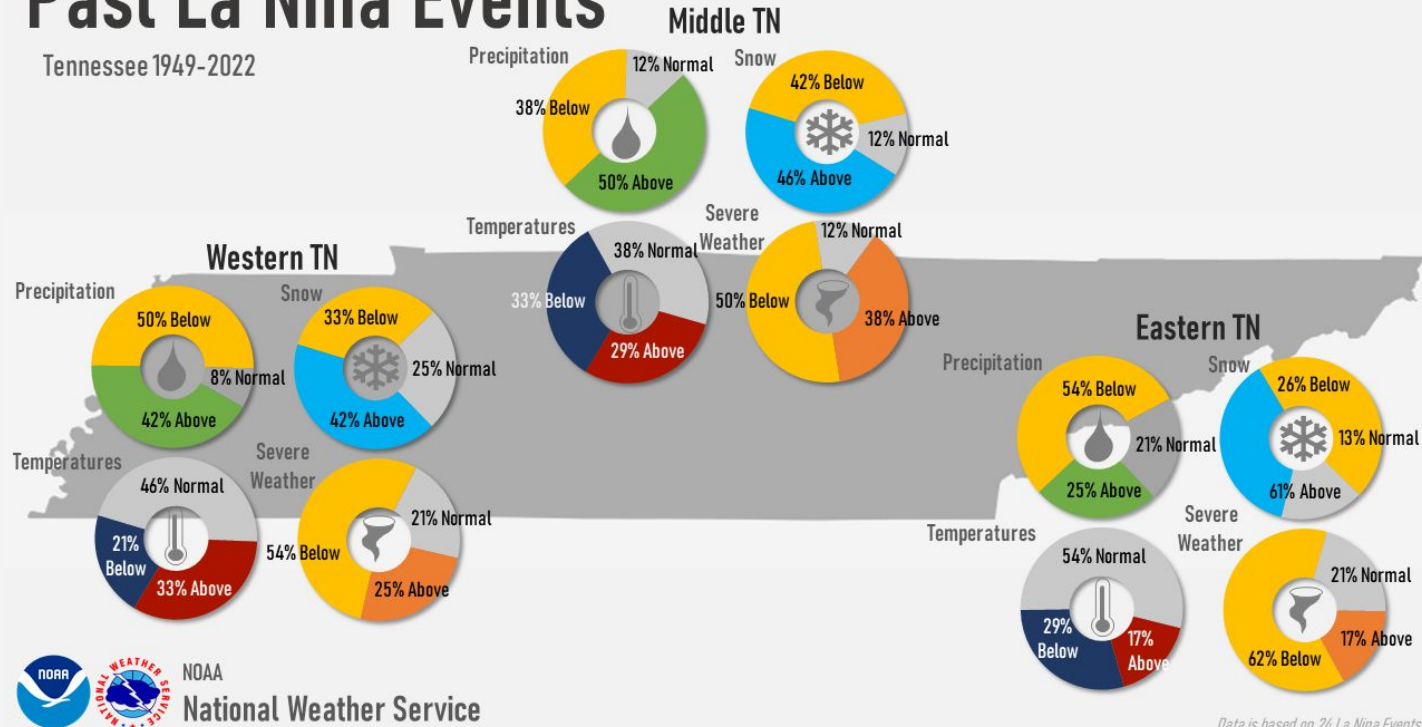




# What does La Niña mean for Middle Tennessee?

## Past La Niña Events

Tennessee 1949-2022



# Winter Climate Normals

<b>Clarksville</b>	Average High Temp	Average Low Temp	Average Precip
December	48.9°	31.0°	4.36"
January	46.2°	27.7°	3.28"
February	50.8°	30.6°	3.87"

<b>Nashville</b>	Average High Temp	Average Low Temp	Average Precip	Average Snowfall
December	52.2°	33.3°	4.43"	0.4"
January	49.1°	30.1°	4.02"	2.0"
February	53.8°	33.0°	4.47"	1.5"

<b>Columbia</b>	Average High Temp	Average Low Temp	Average Precip
December	51.1°	29.6°	5.64"
January	47.9°	26.9°	4.60"
February	52.4°	29.1°	5.11"

<b>Crossville Exp Sta</b>	Average High Temp	Average Low Temp	Average Precip	Average Snowfall
December	45.1°	28.9°	6.54"	3.1"
January	41.6°	25.1°	5.49"	3.5"
February	45.4°	28.0°	5.66"	4.4"

# Takeaways

- La Niña conditions are emerging, and this will likely have some impact on our winter weather.
- The winter outlook favors warmer-than-normal temperatures across Middle Tennessee. In spite of this, periods of cold weather and wintry precipitation will still be possible.
- The winter outlook favors near normal precipitation. This would make it difficult to make up existing rainfall deficits. Drought conditions are therefore likely to persist in many areas at least until spring.

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[weather.gov/nashville](https://weather.gov/nashville)



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