

THE MESONET – WHAT A HANDY TOOL!

Winter in Oklahoma! It's a wild ride of cold days, warm days, sun, rain, wind, and snow. It's enough to give anyone a touch of cabin fever... We are all anxious to get back to doing what we love most, working in our gardens. When can I start planting? What is the soil temperature in my area? Is the soil too wet or too dry? What's next for our famously changeable weather? We are in luck! Here in Oklahoma the answers to all these questions, and many more, are available 24/7 on the Internet at the Oklahoma Mesonet site at <http://www.mesonet.org>. An App for the site is also available from Apple and Google for your smart phone.

Mesonet is a combination of the words mesoscale and network. Mesoscale refers to weather events that measure anywhere from about a mile to about 150 miles and that last anywhere from a few minutes to several hours. Network is an interconnected system.

Designed and implemented by scientists from Oklahoma State University and the University of Oklahoma, the Mesonet is a network of 120 automated environmental monitoring stations throughout the state. There is at least one station in each county and each station takes measurements every five to thirty minutes. Some weather events are in such a small area that they would be missed without these densely spaced weather observations. These measurements are combined into "observations" which are sent to the Oklahoma Climatological Survey every five minutes so the data you see on the website is never more than a few minutes old. The Mesonet Home Screen gives you a quick look at the weather forecast for the next 24 hours.

To find your Mesonet site, choose *Local Weather* and click on Your Mesonet Station. The site default is Norman, OK. To see data for the station nearest to you, click on *Change* next to the city.



Mesonet

- Weather
- Forecast
- Past Data
- Drought
- Agriculture
- K-20 Education
- Fire Management
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- Research ▾
- About ▾
- More ▾



Your Mesonet Station
Tulsa

[CHANGE](#)

Now at Tulsa

32°F

Dewpoint: 17°F

Feels Like:

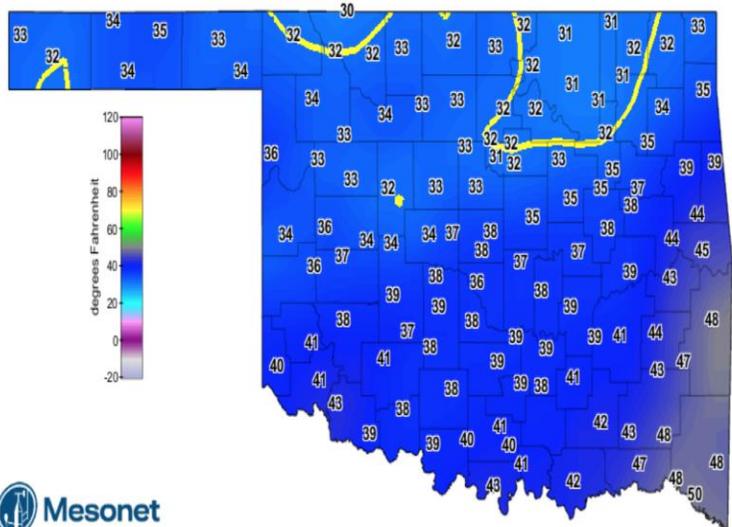
24-hr Rain: 0.00 in.

25°F

Wind: N 9 mph

Last observed at 11:45 AM CST

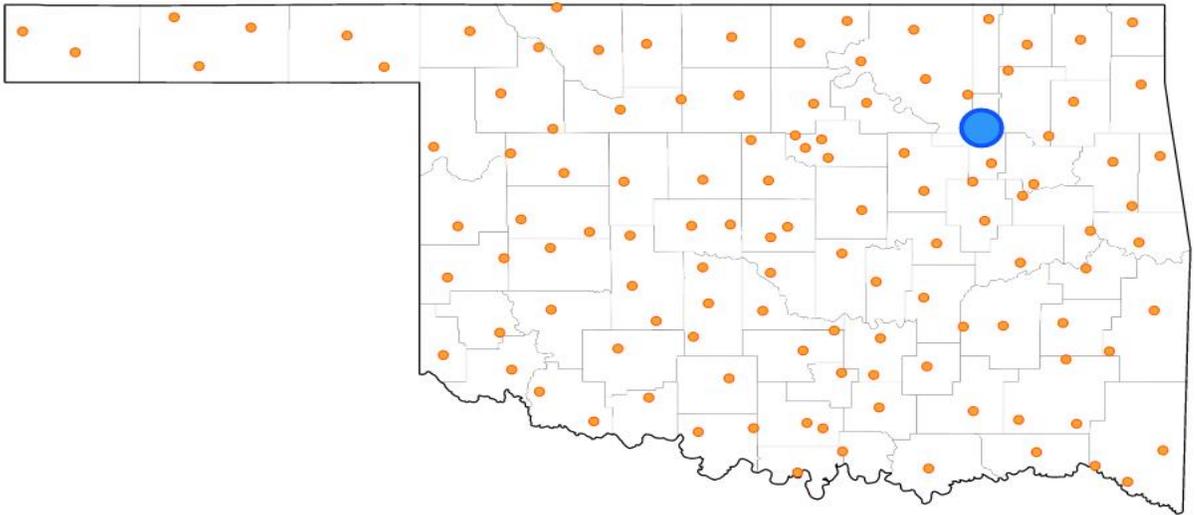
Forecast for Tulsa



Mesonet
Air Temperature (°F)

11:45 AM January 26, 2025 CST
Created 11:52:31 AM January 26, 2025 CST. © Copyright 2025

Select a Station



 [Locate Me](#) 

Remember my choice

Cancel

Select

Sunset: 5:43 PM

Type your city in the box or click on the orange dot closest to your location and hit *Select*. There are five stations in the Tulsa area including Tulsa, Bixby, Hectorville and Inola.

The Weather tab menu is where you will find the current temperature, humidity, and dew point. Any precipitation in the last 24 hours, soil temperature, and moisture information is also there. You will see soil temperature from 2" to 24" deep. Soil moisture shows the one-day available water for plants in bare soil and under vegetative cover.

These are all very good things to know before you head out to plant! You will also find a link to long-range temperature forecasts from six days to three-month estimates.

There is a link to current weather radar for all of Oklahoma and the U.S. as well as satellite views. You can see solar radiation graphs and maps of wind speed and direction too.

Weather

Most Popular



Local Weather



Radar



Rainfall

Products



Advisories



Air Temperature



Dewpoint & Humidity



Human Comfort



Pressure



Soil Moisture



Soil Temperature



Solar Radiation & Satellite



Station Meteograms



Station Plots



Upper Air



Wind

The right soil temperature is a key factor in successful gardening. Cool season vegetables (i.e., radishes and carrots) germinate best when the soil temperature is cooler (between 45- and 85-degrees Fahrenheit). Some are even tolerant of light frost. Warm season vegetables (i.e., green beans) germinate best when the soil is at least 60 degrees Fahrenheit. It'll be a few weeks before we get there!

On the Local Weather tab there is the five-day forecast from the National Weather Service (NWS). You can access the NWS web page from here. The NWS displays detailed daily forecast information in text form, hourly graphs, and a tabular format.

Mesonet

Weather Forecast Past Data Drought Agriculture K-20 Education Fire Management Public Safety Research ▾ About ▾ More ▾

Home > Weather

Local Weather

Your Mesonet Station **Tulsa** [CHANGE](#)

Now at Tulsa

33°F
Feels Like: **26°F**

Dewpoint: 17°F
Humidity: 51%
24-hr Rain: 0.00 in.
Wind: N 9 mph
Pressure (MSLP): 30.36 in.
Solar Radiation: 99 W/m²
Sunrise: 7:30 AM
Sunset: 5:43 PM

Temperature (°F)

6:00 PM 01/25/2025 12:00 AM 01/26/2025 6:00 AM 01/26/2025 12:00 PM 01/26/2025

● Air Temp ● Dewpoint — Wind Chill

www.mesonet.org

Last observed at 1:25 PM CST [View Full Meteogram](#)

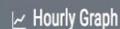
Forecast for Tulsa

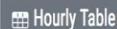
SUNDAY	SUNDAY NIGHT	MONDAY	MONDAY NIGHT	TUESDAY	TUESDAY NIGHT	WEDNESDAY	WEDNESDAY NIGHT	THURSDAY
								
Decreasing Clouds	Mostly Clear	Sunny	Mostly Clear	Mostly Sunny	Mostly Cloudy	Chance Rain Showers	Rain Showers Likely	Rain Showers Likely
High: 42°F	Low: 23°F	High: 50°F	Low: 30°F	High: 60°F	Low: 41°F	High: 60°F	Low: 41°F	High: 55°F
Wind: N 9 to 10 mph	Wind: N to NW 2 to 7 mph	Wind: NW to SW 2 to 6 mph	Wind: SW 3 to 5 mph	Wind: SW 3 to 6 mph	Wind: SW 3 to 5 mph	Wind: W to NE 2 to 6 mph	Wind: NE to E 5 to 6 mph	Wind: E to SE 6 to 8 mph

Forecast by the National Weather Service

View the full NWS forecast:

 Text

 Hourly Graph

 Hourly Table

 Station Information

The Oklahoma Mesonet is a one-stop information website with lots of real time information. It's great to have such a handy garden tool . . . and you don't even have to sharpen it!

You can get answers to all your gardening questions by calling the Tulsa Master Gardeners Help Line at 918-746-3701, dropping by our Diagnostic Center at 4116 East 15th Street in Tulsa, or by emailing us at mg@tulsamastergardeners.org.