

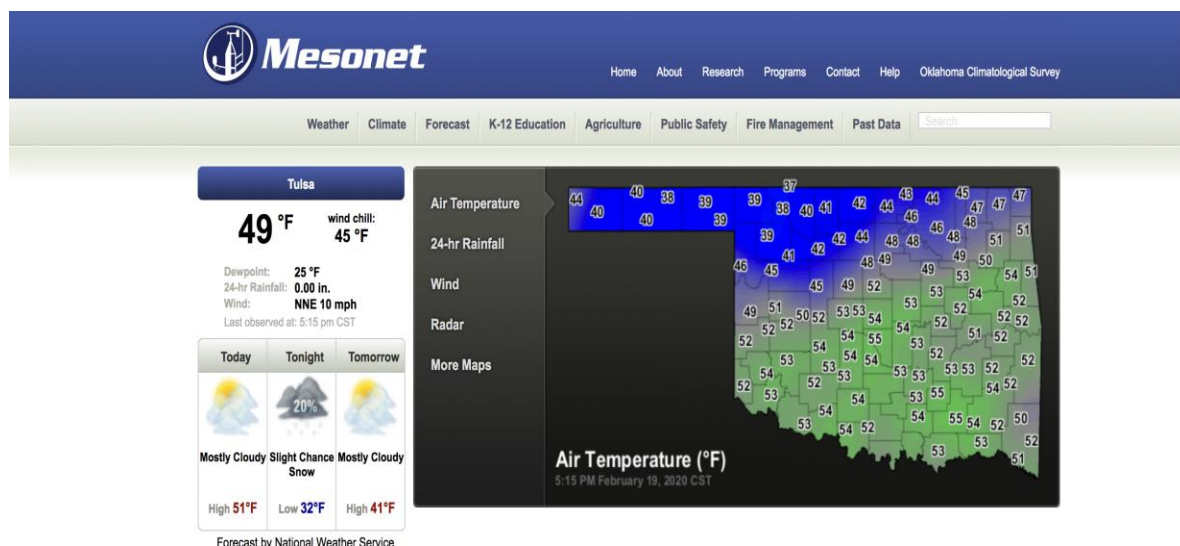
THE MESONET

Spring is almost here, and we are all anxious to get back to doing what we love most, working in our gardens. How soon can I start planting? What is the soil temperature in my area? Is the soil wet or dry? What's the latest on our famously changeable weather? We are in luck! Here in Oklahoma the answer to all these questions, and many more, is 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 last anywhere from a few minutes to several hours. Network is an interconnected system. Some weather events are in such a small area that they would be missed without densely spaced weather observations.

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 minutes. 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 five or ten minutes old. To see data for the station nearest to you, click on the city and type in your zip code. There are five stations in the Tulsa area, Tulsa, Bixby, Hectorville and Inola.

The [*Mesonet Home Screen*](#) gives you a quick look at the weather forecast for the next 24 hours.



For greater detail, the [Weather](#) tab is where you will find links to many facts including soil temperature and moisture information - particularly good things to know before you head out to plant those seeds. The right soil temperature is a key factor in successful gardening. Cool season vegetables like radishes and carrots germinate best when the soil temperature at least 45 degrees Fahrenheit. Warm season vegetables (e.g. green beans) germinate best when the soil is at least 60 degrees Fahrenheit.

 **Mesonet**

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Tulsa

Current Conditions at 5:20 pm CST

Change Mesonet Site

Site Information

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49 °F

wind chill:
46 °F

Dewpoint: 25 °F

Humidity: 38%

24-hr Rainfall: 0.00 in.

Wind: NNE 8 mph

Wind Gusts: 12 mph

Pressure (MSLP): 30.31 in.

Solar Radiation: 59 W/m2

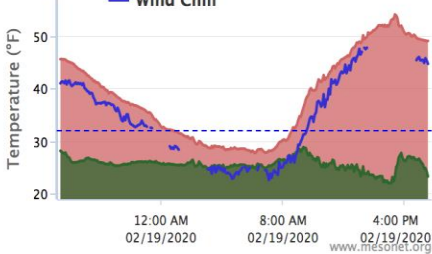
Sunrise: 7:08 am

Sunset: 6:08 pm

Air Temp

Dewpoint

Wind Chill

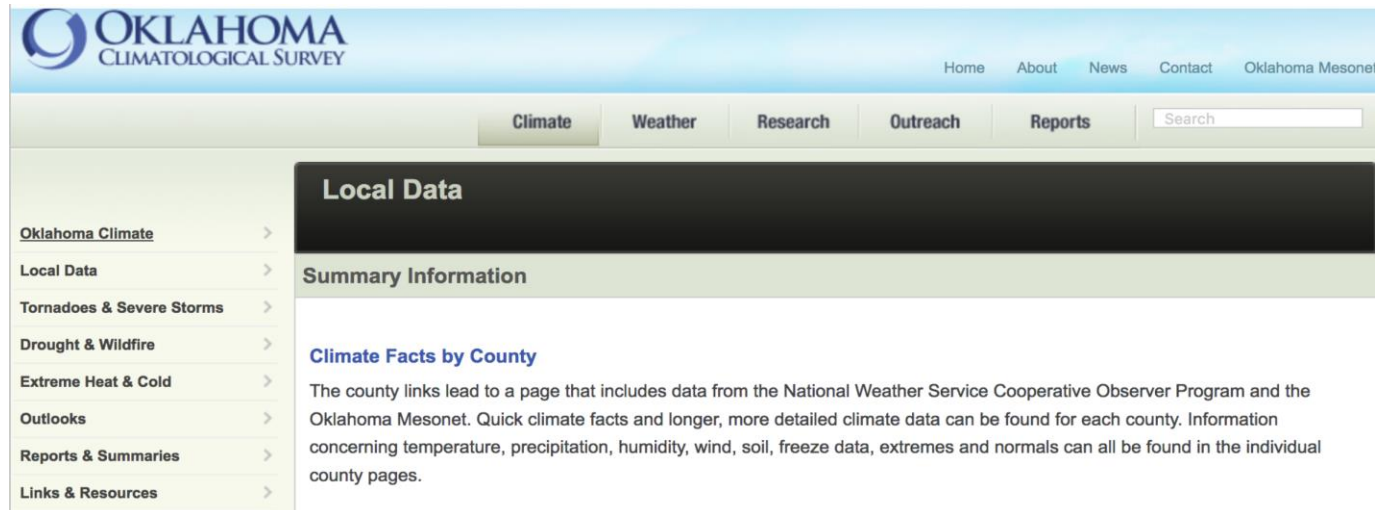


www.mesonet.org

Forecast at a Glance for Tulsa

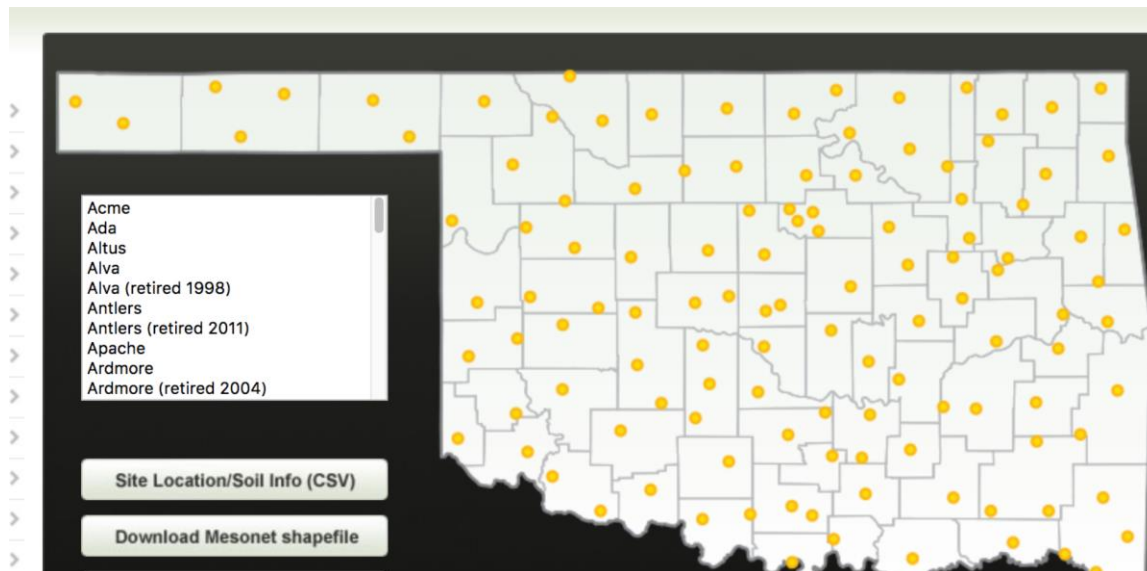
Today	Tonight	Tomorrow	Tomorrow Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
Mostly Cloudy	Slight Chance Snow	Mostly Cloudy	Clear	Sunny	Mostly Clear	Slight Chance Rain Showers	Rain Showers Likely	Rain Showers
High 51°F	Low 32°F	High 41°F	Low 20°F	High 47°F	Low 33°F	High 51°F	Low 41°F	High 52°F
Wind E 6 mph	Wind NE 7-12 mph	Wind NE to N 13-16 mph	Wind N 3-13 mph	Wind NE to S 3-6 mph	Wind S 6-7 mph	Wind S 9-13 mph	Wind S 10-12 mph	Wind S 12-16 mph

From the [Climate](#) tab you can access Oklahoma's long-term weather averages and extremes as well as longer-range temperature and precipitation outlooks by county. You will find links to additional state and national agencies and websites offering climate and weather information.



The [Past Data](#) tab will take you to the Mesonet site map. Click Mesonet Site on the left side of the page and choose the monitoring station closest to your location.





Tulsa (TULN)

Station Number: 137

Location: 4.2 miles NE of Tulsa
County: Tulsa
Commissioned: 06/25/2013

Latitude: 36.196660° / 36° 11' 47" N
Longitude: -95.938830° / 95° 56' 19" W

Elevation: 209 meters above Mean Sea Level (686 feet)

Variables Measured Every 5 Minutes

- Station Battery Voltage (BATV)
- Barometric Pressure at 0.75 m (PRES)
- Rain since midnight UTC at 0.6m (RAIN)
- Relative Humidity at 1.5 m (RELH)
- Solar Radiation (SRAD)
- Air Temperature at 9 m (TA9M)
- Air Temperature at 1.5 m (TAIR)
- Supplemental Air Temperature (TSLO)
- Wind Direction at 10 m (WDIR)
- Wind Direction Standard Deviation at 10 m (WDSD)
- Maximum Wind Speed at 10 m (WMAX)
- Maximum Wind Speed at 2 m (WMX2)
- Wind Speed at 2 m (WS2M)
- Wind Speed at 10 m (WSPD)
- Wind Speed Standard Deviation at 10 m (WSSD)
- Vector Wind Speed at 10 m (WVEC)

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 or by emailing us at mg@tulsamastergardeners.org.