

Missouri Mesonet

From its modest beginnings in 1992, the **Missouri Mesonet** has evolved from a few weather stations at CAFNR Research Centers collecting environmental data (such as temperature, relative humidity, wind speed, wind direction, solar radiation, soil temperature and precipitation) on an hourly and daily basis to a sophisticated network of 34 stations across the Show-Me State.

Missouri Mesonet is a collaborative effort among University of Missouri Extension, the School of Natural Resources and the Agricultural Electronic Bulletin Board (AgEBB). It provides:

- Near real-time weather (five-minute updates) and historic climate data to agriculture, energy, transportation, infrastructure, insurance, and legal sectors at the local, state, and national levels.
- Opportunities for educational programs, teaching, research, innovation, public safety, discovery and service to communities.

Missouri Mesonet has not only been successful in the agricultural realm, but its application has transcended numerous other vocations and interests and has become an important environmental data resource for the citizens of Missouri and beyond.

In 2010, The National Oceanic and Atmospheric Administration (NOAA) implemented a multi-state project in which metadata and near real-time data were collected from various state mesonets, including the Missouri Mesonet, and used by NOAA to assess the quality of the network and improve forecasting ability. The program has since expanded and become the ***National Mesonet Program*** (NMP) and the Missouri Mesonet continues to be a proud partner.

For access to the Missouri Mesonet, please visit:

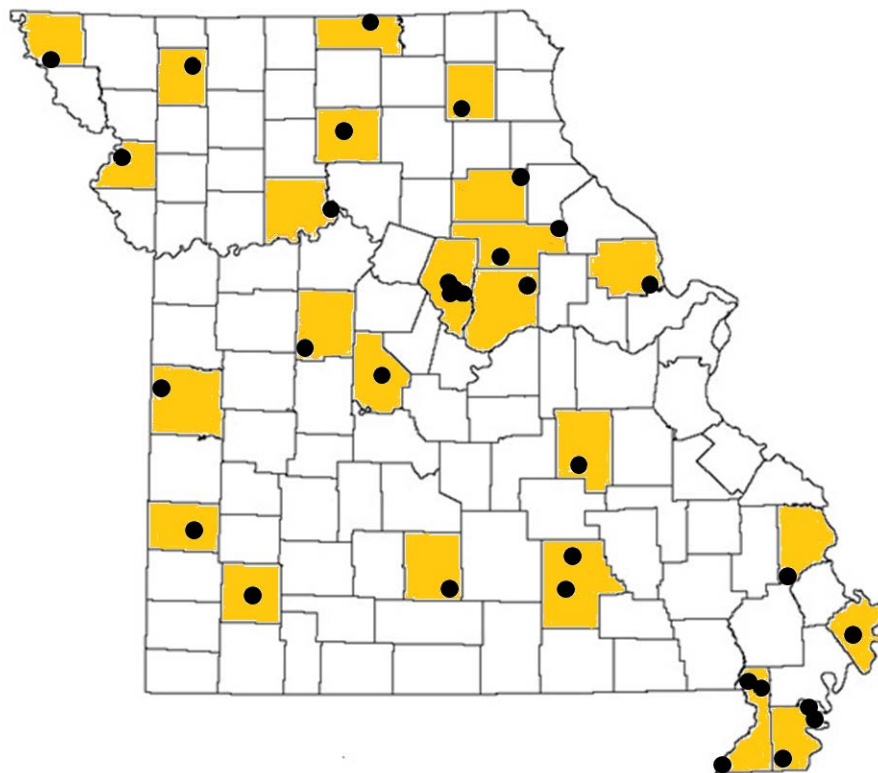
mesonet.missouri.edu

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Missouri Mesonet

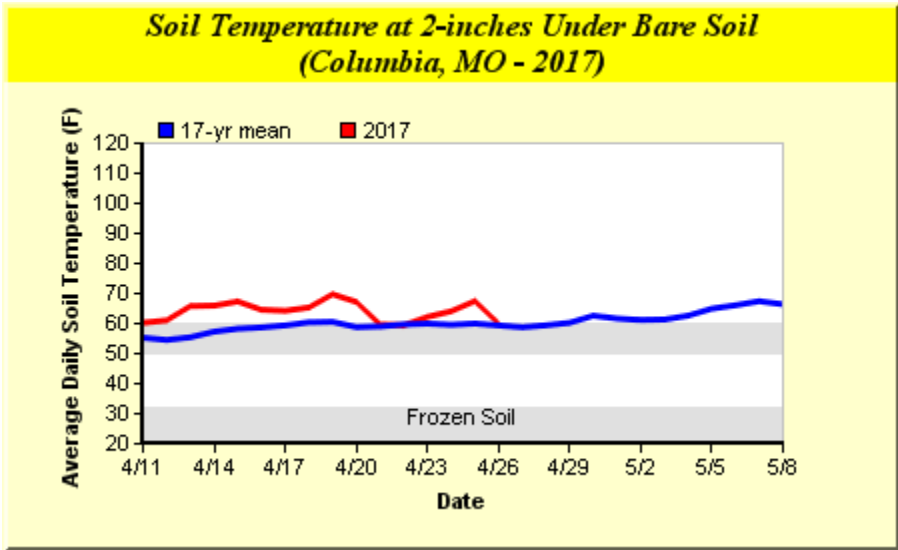




University of Missouri Sanborn Field Automated Weather Station
Columbia, Missouri



Putnam County R-1 School Automated Weather Station
Unionville, Missouri





Missouri Mesonet

University of Missouri Extension - CAFNR

[Real-Time Weather Stations](#) | [Missouri Climate Center](#) | [School of Natural Resources](#)

[Air Temperature](#)

[Rainfall](#)

[Relative Humidity](#)

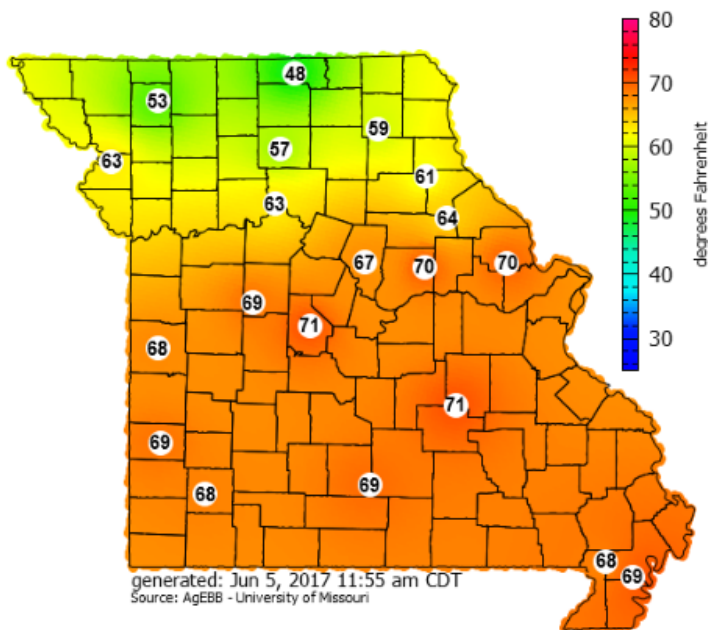
[Dew Point Temperature](#)

[2-inch Soil Temperature](#)

[4-inch Soil Temperature](#)

[Solar Radiation](#)

Current Dew Point Temperature (°F)



Dew point temperature is monitored at 5.5 feet. It is the temperature to which air must be cooled for saturation to occur, given constant pressure and water vapor content.

Questions or comments about this site?

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