



MRCC
Midwestern Regional
Climate Center

Midwestern Regional Climate Center

The **Midwestern Regional Climate Center** provides high-quality climate data and information for the Midwest and the nation.

Mission

- Monitor regional climate conditions and impacts
- Provide unbiased climate data, derived information and data summaries for the region
- Prepare customized historical climate data sets
- Conduct applied research on climate-related issues and problems

We Serve

- Agriculture
- Urban Planning
- Human Health
- Researchers
- Educators
- Risk Management
- Water Resources
- Local, State, and Federal Government
- Legal

Data Matters

We provide the tools to help you make decisions.

- Climate Tools
- Interactive Maps
- Customized Services

Contact Us

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MRCC.PURDUE.EDU

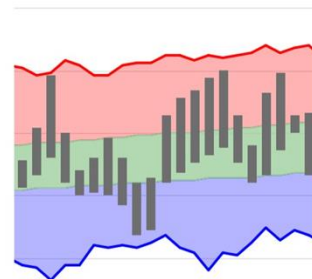
  @MidwestClimate



Featured Products

cli-MATE

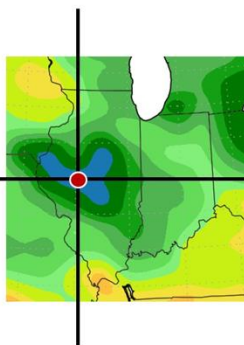
**MRCC APPLICATION
TOOLS ENVIRONMENT**



cli-MATE Data Portal

mrcc.purdue.edu/newclimate/home

Powerful self-service portal for downloading climate data and generating customized statistics, tables, and charts.



**Midwest
CLIMATE WATCH**

Midwest Climate Watch

mrcc.purdue.edu/climate_watch

Ready-to-view maps for monitoring temperature, precipitation, snow, wind, humidity, and more.



Midwestern Regional Climate Center
Partnering with the National Centers for Environmental Information and Purdue University.



MRCC

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Climate Center

Highlighted Products



Vegetation Impact Program

mrcc.purdue.edu/VIP

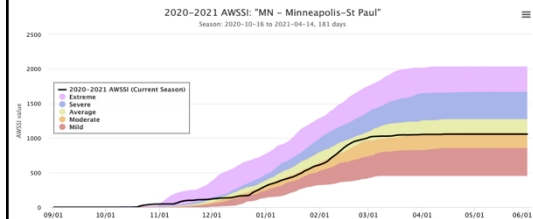
A monitoring, assessment, and networking program that offers resources to help minimize negative vegetation impacts.



Regional Mesonet Program (RMP)

mrcc.purdue.edu/RMP

A regional view of state weather networks provides hard-to-find soil temperature and evaporation data, which are essential for agriculture.



Accumulated Winter Season Severity Index (AWSSI)

mrcc.purdue.edu/research/awssi

A winter monitoring tool that objectively indexes winter weather conditions and allows comparison to previous winter seasons.



Freeze Date Tool

mrcc.purdue.edu/freeze/freezedatetool

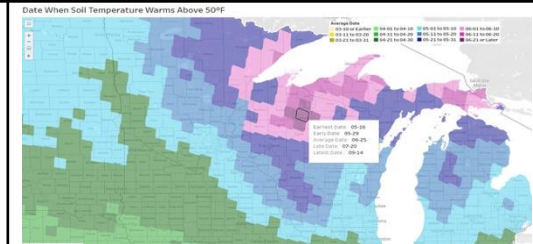
A snapshot of historical freeze dates, trends, and growing season lengths by north-central and northeastern US counties.



Snow Climatology Toolbox

mrcc.purdue.edu/snowclimatologytoolbox

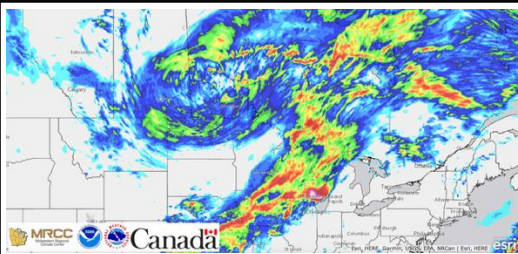
A product with streamlined access to high-quality and station-specific historical snowfall data and climatologies across the US.



Soil Temperature Climatology

mrcc.purdue.edu/clim/Soil-T

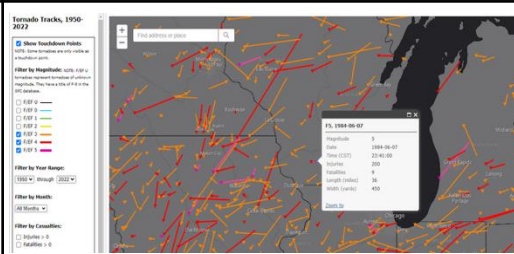
A regional view of historical soil temperatures and thresholds based on data from 1991 to 2020 for the north-central US.



Bi-National Precipitation

<https://mrcc.purdue.edu/gismaps/naprecip>

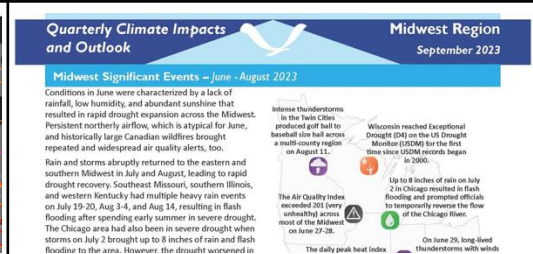
Access merged U.S. and Canadian precipitation data for multiple time periods. Available via map viewer or csv download.



Tornado Tracks Tool

mrcc.purdue.edu/gismaps/cntytom

A national view of all National Weather Service documented tornadoes and associated statistics from 1950 to 2022.



MRCC Climate Summaries

mrcc.purdue.edu/climatesummaries

Explore MRCC climate summaries including weekly, monthly, quarterly, annual, and special El Niño Southern Oscillation reports.



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