



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



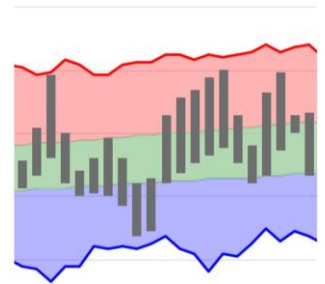
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Featured Products

cli-MATE

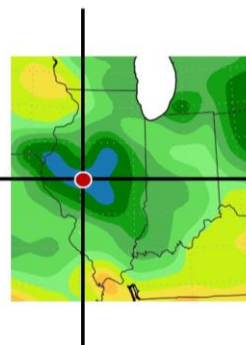
**MRCC APPLICATION
TOOLS ENVIRONMENT**



cli-MATE Data Portal

mrcc.purdue.edu/CLIMATE

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.





MRCC

Midwestern Regional
Climate Center

Highlighted Products



Vegetation Impact Program

mrcc.purdue.edu/VIP

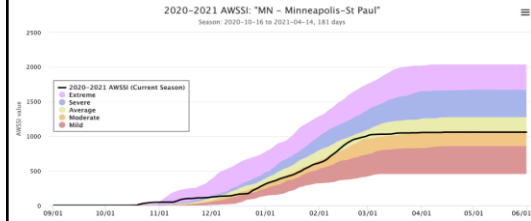
A monitoring, assessment, and networking program that offers resources to help minimize negative vegetation impacts.



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

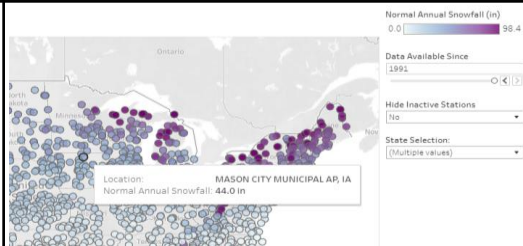
A winter monitoring tool that objectively indexes winter weather conditions and allows comparison to previous winter seasons.



Freeze Date Tool

mrcc.purdue.edu/freeze/freezedatetool

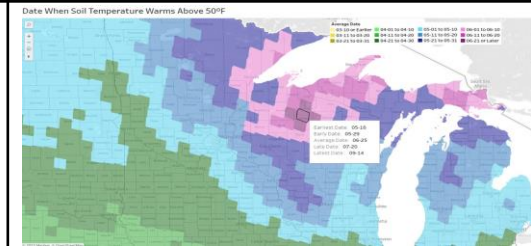
A snapshot of historical freeze dates, trends, and growing season lengths by north-central and northeastern US counties.



Snow Climatology Toolbox

mrcc.purdue.edu/snowclimatologytoolbox

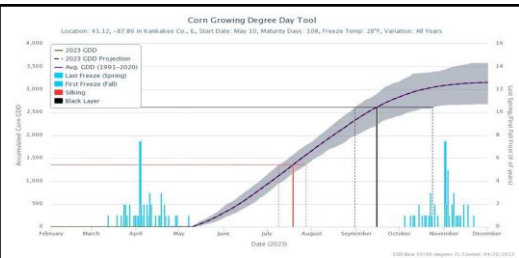
A product with streamlined access to high-quality and station-specific historical snowfall data and climatologies across the US.



Soil Temperature Climatology

mrcc.purdue.edu/clim/Soil-T

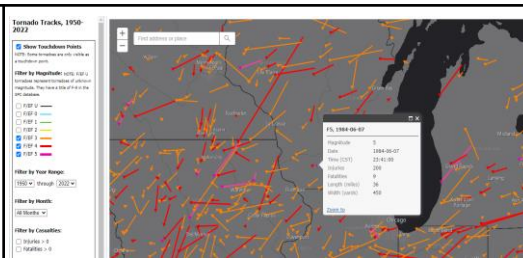
A regional view of historical soil temperatures and thresholds based on data from 1991 to 2020 for the north-central US.



Ag-Climate Tools

mrcc.purdue.edu/Ag-Climate-Tools

Access a suite of Ag-Climate Tools consisting of the AgClimate Viewer, Corn GDD, Corn Split N, and Irrigation Investment Tool.



Tornado Tracks Tool

mrcc.purdue.edu/gismaps/cntyorn

A national view of all National Weather Service documented tornadoes and associated statistics from 1950 to 2023.

MRCC Climate Summaries

mrcc.purdue.edu/climatesummaries

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



Midwestern Regional Climate Center

Partnering with the National Centers for Environmental Information and Purdue University.