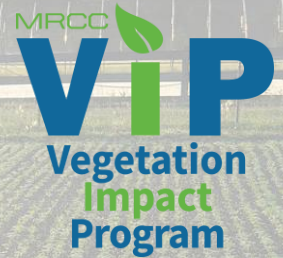




# Submitting Freeze Guidance Reports



[mrcc.purdue.edu/VIP](http://mrcc.purdue.edu/VIP)

## About Freeze Guidance Reports

The Midwestern Regional Climate Center collaborates with weather forecasters, University Extension specialists, state climatologists, and other vegetation experts through the Vegetation Impact Program (VIP) to improve communication about the state of vegetation and its susceptibility to potentially damaging low air temperatures.

Climatological maps of first and last freeze events are helpful to know when to expect these events, but do not fully capture the current season's conditions. **Freeze Guidance Reports** allow forecasters to effectively communicate the threat of frost and freeze events, which triggers alerts to the public to provide the opportunity for preventative actions such as bringing plants indoors, covering vulnerable plants, or activating heaters.

## Get Involved with VIP Freeze Guidance

Anyone who is interested in submitting **Freeze Guidance Reports**, including weather forecasters or local vegetation observers, is welcome to join. In order for a frost/freezing forecast to be beneficial, forecasters need to have the best guidance possible on the state of the vegetative and climatological environment.

### Get Started

- Visit [mrcc.purdue.edu/VIP](http://mrcc.purdue.edu/VIP)
- Click [Join Freeze Guidance](#)
- Register as a [New Member](#)
- Return to [mrcc.purdue.edu/VIP](http://mrcc.purdue.edu/VIP)
- Select [Submit Guidance/Impact Form](#)\*

\*must be logged in to submit

**Vegetation Freeze Susceptibility Guidance**  
per NWS and non-NWS input  
as of 6:00 AM CDT on 10/10/2023

Status

- Vegetation Susceptible
- Mixed Susceptibility
- Vegetation Not Susceptible
- Days old
- Days old
- No Reports Received since 7/1

Note: For more detailed information on input reports, use the GIS interface: [https://mrcc.purdue.edu/gismaps/freeze\\_guidance.htm](https://mrcc.purdue.edu/gismaps/freeze_guidance.htm)

MRCC Experimental Freeze Guidance:  
These experimental maps may be utilized as a guide to local and regional freeze conditions but should NOT be used by themselves for decision processes.

*This Vegetation Freeze Susceptibility Guidance map is a result of **Freeze Guidance Reports**, which communicate whether vegetation is susceptible to frost and freeze damage.*

Welcome to the Vegetation Impact Program

The Vegetation Impact Program (VIP) is a monitoring, assessment, and networking program hosted by the Midwestern Regional Climate Center. The VIP integrates online climate monitoring information and stakeholder input to provide a suite of resources that can help minimize negative vegetation impacts, mitigate climate variability effects, and develop adaptation plans to better prepare for extreme and ever-changing environmental conditions.

Freeze Guidance

Current Guidance Map

VIP Participants - Login Required

- [Submit Guidance/Impact Form](#)
- [View All Guidance Submissions](#)
- [View All Impact Reports](#)
- [Access VIP Member List](#)

Interested in Submitting Freeze Guidance Reports?

- [Join Freeze Guidance](#)
- [About Freeze Guidance](#)

Tools & Products

- Freeze Maps:** View the Freeze Maps dashboard to monitor current season freezes, growing degree days, vegetation status, and freeze climatologies.
- Freeze Date Tool:** Access climatologies of freezing temperature dates across the north-central and northeastern US.
- Keetch-Byram Drought Index:** Keetch-Byram Drought Index (KBDI) is one of the few daily indices used to monitor drought, and is most often utilized in the wildfire community, for it can give a real-time indication of the drying potential for the finer fuels such as grasses and shrubs.
- Freeze Probabilities:** View the likelihood of the temperature dropping to freezing or below freezing - which constitutes a "freeze event".
- End of Season Summaries:** Access end of season summaries for days of first and last freezes for 32°F and 28°F thresholds and lowest minimum temperatures.
- Chilling Hours:** Maps of accumulated chilling hours and chilling hours departure have been developed for growers to monitor the number of chilling hours over a dormant season based upon popular chilling temperature ranges.



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MRCC  
**Vegetation Impact Program**

## Submit Freeze Guidance Reports

Guidance may be submitted via the following forms:

- Counties by State
- Counties by Crop Reporting District
- Counties by NWS County Warning Area (CWA)

Each form has similar input, but the area varies based on the form selection. Through a simple 3-category guidance rating, experts can indicate the following:

- **Vegetation Not Susceptible** – vegetation is not currently susceptible to freezing temperatures, which means that plants are at a state that is more resistant to lower temperatures
- **Mixed Susceptibility** – some, but not all, vegetation may be susceptible to freezing temperatures
- **Vegetation Susceptible** – vegetation is susceptible to freezing temperatures as plants are actively growing

Once submitted, email notifications are sent to VIP Freeze Guidance participants on your area's listserv. Submissions are automatically added to the Freeze Susceptibility Guidance Map and other VIP-related products.

Vegetation Guidance: Form - By County Warning Area: ARX-La Crosse (WI)

Current vegetation susceptible? (select one):

**VEGETATION NOT SUSCEPTIBLE:**  
Vegetation is not currently susceptible to freezing temperatures

**MIXED SUSCEPTIBILITY:**  
Some vegetation may be susceptible to freezing temperatures

**VEGETATION SUSCEPTIBLE:**  
Vegetation is susceptible to freezing temperatures

Enter rationale for guidance:

Select your user group:  
Federal: National Weather Service

Contact Information:

\* = Required

\* Name: \_\_\_\_\_

\* Email: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Phone: \_\_\_\_\_

Counties:

Check All  
 Uncheck All

Adams  
 Allamakee  
 Buffalo  
 Chickasaw  
 Clark  
 Clayton  
 Crawford  
 Dodge  
 Fayette  
 Fillmore  
 Floyd  
 Grant  
 Houston  
 Jackson  
 Juneau  
 La Crosse  
 Mitchell  
 Monroe  
 Mower  
 Olmsted  
 Richland  
 Taylor  
 Trempealeau  
 Vernon  
 Wabasha  
 Winnebago  
 Winona

Click on map for interactive version:

ARX La Crosse, WI

PLEASE CLICK ONLY ONCE (do not double-click buttons)

*An example of the freeze guidance submission form by CWA. All forms include vegetation status, rationale, counties, user group, and contact information.*

## Freeze Guidance Participants can:

- Submit Freeze Guidance Reports
- View Archived Freeze Guidance Reports
- Access Freeze Guidance Member List

For VIP Freeze Guidance Reports questions, please email the MRCC [mrcc@purdue.edu](mailto:mrcc@purdue.edu).

