



Frost/Freeze Program
NWS Wakefield, VA

<http://weather.gov/akq>

Frost/Freeze

Products:

- **Freeze Outlook (HWO)**

- Issued when conditions are possible for a freeze event to meet or exceed Freeze Warning criteria in the next 72 to 168 hours during the locally defined growing season. Probability threshold is 30-49%. Issued as an HWO and updated at least every 12 hours.

- **Freeze Watch**

- Conditions are favorable for a freeze event to meet or exceed Freeze Warning criteria in the next 12 to 72 hours during the locally defined growing season. Probability threshold is 50-79%. Issued as an NPW and updated at least every 12 hours.

- **Freeze Warning**

- Minimum shelter temperature forecast to be 32°F or less during the freeze season in the next 12 to 36 hours.. The freeze/frost season is locally defined and usually occurs in late (Fall) and early (Spring) growing seasons. Issue new NPW to update this every 6 to 8 hours.

- **Frost Advisory**

- Minimum shelter temperature forecast to be 33 to 36°F during the freeze/frost season in the next 12 to 36 hours, on nights with good radiational cooling conditions (e.g., light winds and clear skies). Issue new NPW to update this every 6 to 8 hours.

Frost/Freeze Forecasts

- **Frost/Freeze Conditions**
 - Clear sky, calm wind, cold temperatures, and favorable dewpoints.
- **Criteria accounts primarily for temperatures.**
 - wind, cloud cover, and a dry air mass will have an impact on the overnight temperature.

Minimum Shelter Temperature (°F)			
TERMINOLOGY	Hard Freeze	Freeze	Frost (Calm or Light Wind)
PRODUCTS	FREEZE WATCH/WARNING		FROST ADVISORY

Frost/Freeze Dates

End Dates of Frost/Freeze Program

