Widespread Severe Storms Expected This Afternoon

Weather Message of the Day:

- Multiple waves of (possibly severe) thunderstorms will impact a large part of the area this afternoon.
- General threat timing 12 PM to 6 PM.
- Main hazard today will be wind gusts to 70+ MPH.

Important Forecast Changes

NEW

New Issuance.
Important Details on Severe Storm Threat

Key Points

**Hazards:** Damaging straight-line winds to 70+ MPH will be the primary hazard today. However, a few storms could produce hail up to the size of golf balls. A tornado is unlikely, but cannot be entirely ruled out.

**Areas Impacted:** ALL of Southeast Wyoming and the western Nebraska Panhandle is under a threat for severe thunderstorms today. The greatest risk for large hail will be over the Nebraska Panhandle.

**Timing & Duration:** Initial development will occur over southeast Wyoming after 12 PM. Thunderstorms will continue to increase in coverage through the afternoon, reaching western Nebraska after 3 PM. Activity should begin to exit the area by 6 PM this evening.

**Impacts:** Severe storms may pose a substantial risk to life and property. Outdoor events may be impacted.

**Certainty & Considerations:** High confidence exists in the development of thunderstorms with strong winds. The threat for hail is less certain due to morning cloud cover limiting instability. Note that thunderstorms today may come in multiple waves. Remain alert through the entire afternoon.
Severe Weather Outlook

Hail Risk

Wind Risk

Tornado Risk

Details:

The hatched areas represent a 10% or greater probability of significant severe weather within 30 miles of a point. This means hail to 2 or more inches in diameter, or wind gusts to 75 MPH or greater.
Severe Thunderstorm Quick Facts and Preparedness:

Quick facts you should know about Severe Thunderstorms:

- Severe Thunderstorms are officially defined as storms that are capable of producing hail, straight-line winds, or a tornado that may endanger a life or damage property.
- Severe hail is defined as 1 inch in diameter or larger. Hail this size can damage property such as plants, roofs, and vehicles.
- The largest hail stone ever officially recorded was 8 inches in diameter. It fell in Vivian, South Dakota.
- Severe straight-line wind gusts exceed 58 mph. Some thunderstorms have produced wind gusts in excess of 100 mph and have created widespread wind damage similar to that of a tornado.

Preparedness:

A Severe Thunderstorm Watch is issued when conditions are favorable for severe thunderstorms to develop. When a watch is issued, it is time to prepare and stay weather aware.

A Severe Thunderstorm Warning is issued when a thunderstorm poses a threat to life or property. Now is the time to act!

Have a NOAA weather radio handy and make sure it is tuned to the right transmitter:
http://www.nws.noaa.gov/nwr/Maps/index.php

How do I stay safe? Go indoors and stay away from windows. If you are caught outside, do not seek shelter underneath a tree – they are prone to lightning strikes. A hard-topped vehicle may offer some protection as a last resort. Do not touch the sides of the vehicle.

All thunderstorms can be deadly: When Thunder Roars, Go indoors!

Straight-Line Wind Quick Facts and Preparedness:

Quick facts you should know about Severe Thunderstorm Winds:

- Severe Thunderstorms are officially defined as storms that are capable of producing hail, straight-line winds, or a tornado that may endanger a life or damage property.
- Severe straight-line wind gusts exceed 58 mph. Some thunderstorms have produced wind gusts in excess of 100 mph and have created widespread wind damage similar to that of a tornado.
- The highest thunderstorm wind gust ever recorded was 149.5 mph at Andrews Air Force Base.
- Damage from severe thunderstorm winds account for half of all severe weather reports in the U.S.
- A Derecho is a widespread, long-lived storm associated with a band of rapidly moving thunderstorms. Derechos often produce widespread wind damage that stretches for 240 miles or more.

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For more information about this event, please monitor our Severe Weather Decision Support page here: http://www.weather.gov/wfo/embrief

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Building a Weather-Ready Nation