

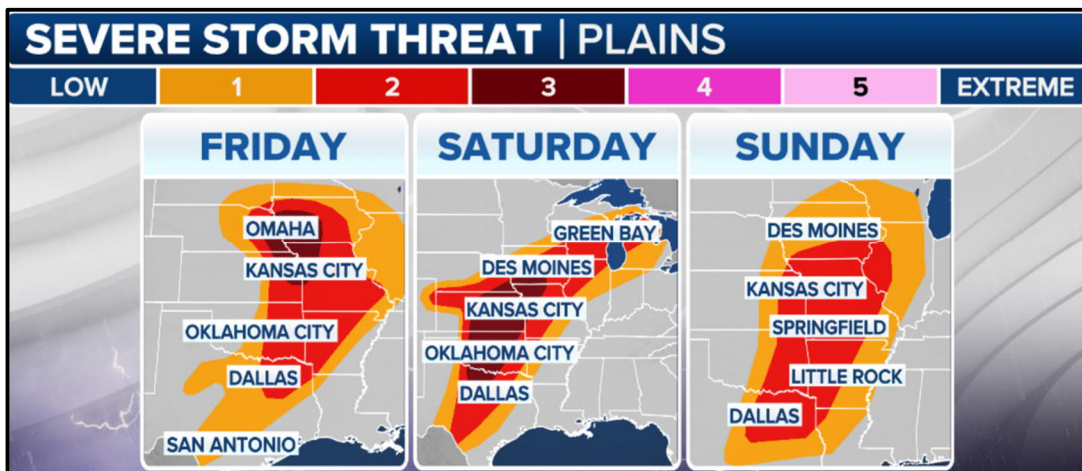
DAILY DART

WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

April 26, 2024

Severe Weather Outlook

- Over 35 million Americans are in a severe weather threat zone Friday for potentially strong tornadoes, hail as big as baseballs or even larger and damaging wind gusts – a threat that will last through the weekend.
- "Big day today. Really big day tomorrow," FOX Weather Meteorologist Britta Merwin said Friday morning. "In fact, the warning for severe weather is even more dire as we go into Saturday."
- Severe thunderstorms are already popping up on radar across the Plains and Midwest on Friday morning, on a day when the severe weather risk spans over a 1,000-mile stretch from southern Minnesota to Texas, the FOX Forecast Center said.
- A Tornado Watch has been issued until 11 a.m. CDT for portions of eastern Oklahoma. There is a chance of a few tornadoes, scattered damaging wind gusts up to 70 mph, and potential isolated large hail events up to 1 inch in diameter.
- "Some of these tornadoes could be an EF-2 or stronger. That means damage would be expected," Merwin said.
- Severe thunderstorms will be likely in parts of eastern Nebraska into western and central Iowa and southward into eastern Kansas and Northwest Missouri Friday. A more isolated severe threat will extend south-southwestward into parts of the southern Plains, Ozarks and Ark-La-Tex from late afternoon into the evening.
- Over 4.8 million people reside in Level 3 out of 5 severe weather threat zones established by the SPC, including those in Overland Park, Kansas; Kansas City, Missouri; Omaha and Lincoln, Nebraska; and Des Moines, Iowa.
- By Saturday, the severe weather threat is even greater and more expansive.
- The FOX Forecast Center said the greatest threat is currently anticipated across parts of the central and southern Plains, where strong tornadoes, very large hail, and damaging winds are possible.
- However, the overall threat extends to a large portion of the central U.S., covering over 55 million people from south-central Texas through Michigan.



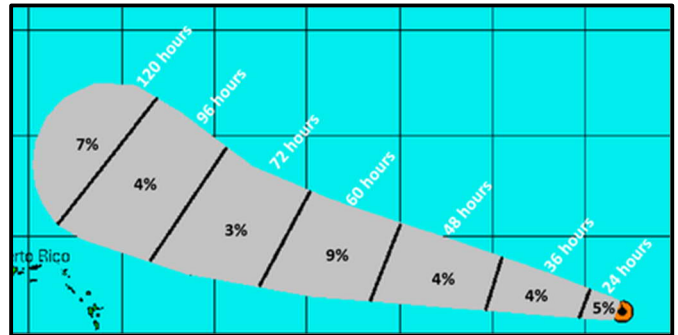
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April 26, 2024

2024 Hurricane Forecasting – Cyclone Cone

- One of the most well-known products used by the National Hurricane Center will look different in 2024 with the intention of better communicating a cyclone's wide-ranging threats, as well as taking into account previous forecasting errors.
- The cyclone cone, which is a product from a series of forecast circles, is annually updated, but in many years, the changes are more apparent in the details than in the actual display itself.
- This year, every forecast period beyond hour 12 is wider than last year's cone, which factors in accrued errors during past hurricane seasons. At 36 hours out, track cones will now be 4% larger, which is only about 2-3 miles different from last year.
- The most significant changes will be at hours 60 and 120, when the cone will be 9% and 7% wider, respectively.
- Starting around Aug. 15, the National Hurricane Center plans to start releasing an experimental forecast cone that will show all related watches and warnings, including alerts issued by local National Weather Service offices.
- Hurricane forecasters hope the display of alerts will help the public focus on the wide-reaching impacts of a cyclone and not the center track line.
- Additionally, the agency said more Spanish-language products will be released during the 2024 season.
- Experts at Colorado State University (CSU) expect the season to be busy and expect the formation of 23 named storms and 11 hurricanes.
- Forecasters noted that the outlook was their largest prediction of named storms that CSU has ever issued.



Depicting Inland Watches/Warnings on Cone

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

Hurricane Ian
Tropical September 27, 2022
11 PM EDT Advisory 20
NWS National Hurricane Center

Current information: x
Center location 24.9 N 82.9 W
Maximum sustained wind 120 mph
Movement NNE at 10 mph

Forecast positions:
● Tropical Cyclone
○ Potential TD
○ Sustained winds: 2 - 29 mph
○ 30-73 mph: H 74-110 mph: M > 110 mph

Potential track area: Only 1-3 Only 4-5 Hurricane Trop Storm

Watches: Hurricane Trop Storm

Warnings: Hurricane Trop Storm

Current wind extent: Hurricane Trop Storm

- New experimental cone graphic depicting inland U.S. tropical storm and hurricane watches and warnings will become available in 2024
- Will help convey wind hazard risk
- Graphic may not be available as soon as the current cone graphic due to the time need to compile complete inland watch and warning information
- Will be available beginning on or around August 15, 2024

Department of Commerce // National Oceanic and Atmospheric Administration // 1

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WSP USA Inspection Services Active Disasters

Disaster Number and State	Disaster Type	Number of Counties Declared	Days Since Launch	Registration Deadline
4749 IL	Flooding	1 County	154	5/21/2024
4757 MI	Flooding	9 Counties	73	5/8/2024

WSP USA INSPECTION SERVICES ACTIVITY

