

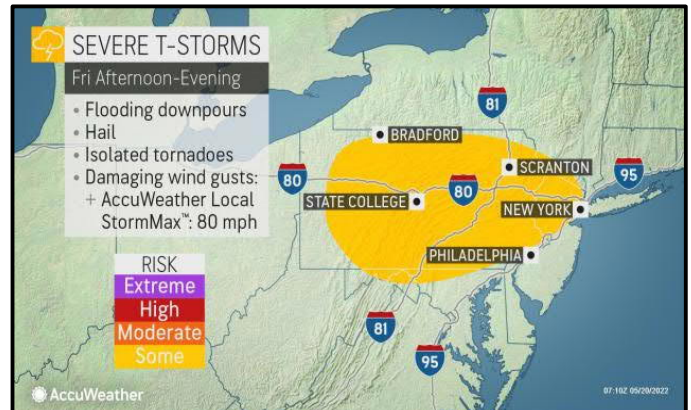
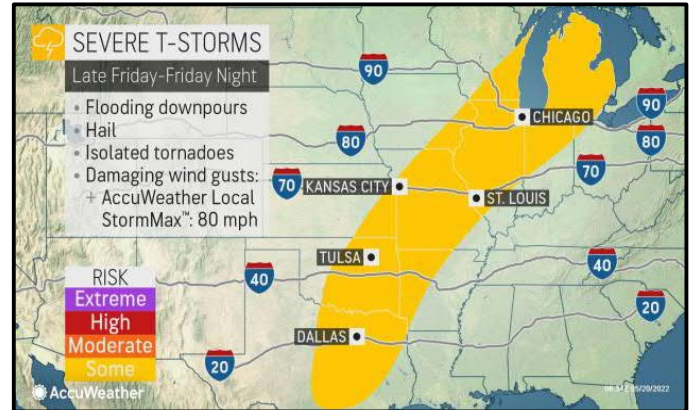
# DAILY DART

WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

May 20, 2022

## Severe Weather Outlook

- Severe thunderstorms which have brought hail, damaging winds and isolated tornadoes to the Plains this week will move eastward on Friday, and AccuWeather forecasters say that residents in the Northeast should be on alert.
- "With a strong cold front in the area, severe storms may be in the cards over a broad section of the Central states, stretching from Texas to Michigan," said AccuWeather Meteorologist Andrew Johnson-Levine.
- While the severe thunderstorm events earlier in the week focused on smaller zones of the central United States, Friday's severe risk will stretch over 1,000 miles along the aforementioned cold front.
- A solid line of thunderstorms from the Great Lakes all the way to Texas is not expected, but anywhere in that zone will run some risk of severe weather.
- The highest tornado risk is expected in the northern extent of the zone across Michigan, but isolated tornadoes cannot be completely ruled out elsewhere in the central U.S.
- A second area of severe thunderstorms is possible much farther east on Friday. This batch of storms is associated with a disturbance in the atmosphere that has been sparking thunderstorms since midweek.
- "After developing in Oklahoma on Wednesday and moving through the Ohio Valley on Thursday, an area of severe thunderstorms may move through parts of the Northeast on Friday," said Johnson-Levine.
- As the complex of thunderstorms moves into the Northeast on Friday, heating from the sun combined with energy in the atmosphere will likely cause the thunderstorms to gain additional strength.
- "The worst of the storms may be centered in Pennsylvania, but the storms may maintain their strength as they move toward New York City during the afternoon and evening," explained Johnson-Levine.
- As the sun sets and the storms approach the cold ocean waters, they should then begin to lose some strength but could rumble over Long Island and southern New England on Friday night before drifting out to sea.
- As the cold front that will be in the Midwest and Great Lakes on Friday moves to the Northeast by Sunday, another risk of severe thunderstorms will exist.



# DAILY DART

WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

May 20, 2022

## Atlantic Saharan Dust

- The first Saharan dust plume of the season moved off of Africa earlier this week and will travel nearly 5,000 miles across the Atlantic and into the southeast U.S., including Florida, by this weekend.
- The dust plume typically sets up about a mile above the Earth's surface and is usually 2 miles thick.
- The FOX 35 Storm Team is tracking the plume and it looks like it's making steady progress into the area through this weekend.
- This mass of very dry, dusty air is called the Saharan Air Layer.
- According to NOAA's Atlantic Oceanographic and Meteorological Laboratory, it forms over the Sahara Desert during the late spring, summer and early fall and moves into the tropical Atlantic every three to five days, according to FOX Weather.
- The Saharan air layer comes in handy during the hurricane season, specifically in quelling the atmosphere and keeping tropical development at bay.
- While the official Atlantic hurricane season doesn't begin until June 1, the season started early in each of the last seven years.
- However, this plume of Saharan dust traveling across the Atlantic might finally put an end to that streak since atmospheric conditions will be unfavorable for tropical development over the next several days.



## Joint Preliminary Damage Assessments

State	Event	Number of Counties for IA		Start-End
		Requested	Completed	
MCN*	Severe Storm & Flooding May 4 <sup>th</sup> & continuing	1	0	5/16-TBD
OK	Severe Storm & Flooding May 4 <sup>th</sup> & continuing	2	0	5/16-TBD

\*MCN – Muscogee (Creek) Nation

# DAILY DART

WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

May 20, 2022

## Pending Individual Assistance Declaration Request

State	Event	Date Submitted	Approved/Denied /Pending	Number of Counties/Tribes
MS	Severe Storms, Straight-Line Winds & Tornadoes March 22, 2022	4/28/2022	Pending	4 Counties
MS	Severe Storms, Straight-Line Winds & Tornadoes March 30, 2022	4/29/2022	Pending	8 Counties

## WSP USA INSPECTION SERVICES ACTIVITY

