



# Thunderstorm Types

<b>Thunderstorm Type</b>	<b>Other Names</b>	<b>Wind Threat</b>	<b>Hail Threat</b>	<b>Tornado Threat</b>	<b>Heavy Rain Threat</b>
<b>Single Cell</b>	<b>Simple Pulse Garden Variety</b>	<b>Minimal</b>	<b>Minimal</b>	<b>Minimal</b>	<b>Moderate</b>
<b>Pulse Severe Single Cell</b>	<b>Pulse Isolated</b>	<b>Minimal to Moderate</b>	<b>Minimal to Moderate</b>	<b>Minimal</b>	<b>Moderate</b>
<b>Linear</b>	<b>Squall Line Bow Echo LEWP</b>	<b>Moderate to High</b>	<b>Moderate</b>	<b>Moderate</b>	<b>Minimal to Moderate</b>
<b>Supercell</b>	<b>Mesocyclone HP or LP Low Top</b>	<b>High</b>	<b>High</b>	<b>High to Extreme</b>	<b>High</b>
<b>Hybrid</b>	<b>Derecho MCS, MCC</b>	<b>Moderate to High</b>	<b>Moderate to High</b>	<b>Moderate to High</b>	<b>Moderate to High</b>

This table is only an approximation of the threat level for each parameter.

The condition of the atmosphere will determine what type of weather actually occurs.



# Convective Outlooks (<http://www.spc.noaa.gov>)



**Day 1** This is the risk of severe weather today through early morning of the following day. Day 1 forecasts are issued five times daily; 0600z (around midnight), 1300z (around sunrise), 1630z (mid-morning), 2000z (mid-afternoon), and 0100z (early evening).

## Day 1 Probability to Categorical Outlook Conversion

(SIGNIFICANT SEVERE area needed where denoted by hatching - otherwise default to next lower category)

Outlook Probability	TORN	WIND	HAIL
2%	SEE TEXT	NOT USED	NOT USED
5%	SLGT	SEE TEXT	SEE TEXT
10%	SLGT	NOT USED	NOT USED
15%	MDT	SLGT	SLGT
30%	HIGH	SLGT	SLGT
45%	HIGH	MDT	MDT
60%	HIGH	HIGH	MDT

**Day 2** Day 2 continues from the ending of Day 1 (tomorrow morning) for the next 24 hours. These are issued twice daily; 1:00 a.m. (both CST/CDT) and 1730z (around noon).

## Day 2 Probability to Categorical Outlook Conversion

(SIGNIFICANT SEVERE area needed where denoted by hatching - otherwise default to next lower category)

Outlook Probability	Combined TORN, WIND, and HAIL
5%	SEE TEXT
15%	SLGT
30%	SLGT
45%	MDT
60%	HIGH

**Day 3** This is the forecast for the subsequent 24 hours. Day 3 forecasts are issued daily by 2:30 a.m. central time (0830z on standard time and 0730z on daylight time).

## Day 3 Probability to Categorical Outlook Conversion

(SIGNIFICANT SEVERE area needed where denoted by hatching - otherwise default to next lower category)

Outlook Probability	Combined TORN, WIND, and HAIL
5%	SEE TEXT
15%	SLGT
30%	SLGT
45%	MDT

**Days 4-8** A severe weather area depicted in the Day 4-8 period indicates a 30% or higher probability for severe thunderstorms (e.g. a 30% chance that a severe thunderstorm will occur within 25 miles of any point).