Severe Storms This Afternoon into the Overnight Hours

NWS Nashville
July 20, 2018
Event Message

• **What:** Severe storms capable of damaging winds, large hail, scattered tornadoes, and frequent cloud to ground lightning

• **Where:** All of Middle Tennessee
  - Not everyone will be impacted but exact locations still can’t be determined. The highest potential exists for northwestern Middle TN counties.

• **Timing:** 2 pm to 2 AM. Confidence in timing and storm location is low
Impacts

- **Damaging Winds:** A few storms will have the potential to produce 80 mph + winds which could cause widespread tree damage and power outages.

- **Large Hail:** Some reports of golf ball size hail or larger is possible especially early in the event which would be capable of damaging cars and roofs. If storms congeal into a line, the hail threat will decrease but not be zero.

- **Tornadoes:** Scattered tornadoes are possible with the greatest threat in the northwest.

- **Lightning:** Intense cloud to ground lightning will be a threat to any outdoor activities this evening.
Severe Weather Outlook for Today

**Timing**

This afternoon into the overnight hours

**Hazard Levels**

**Damaging Winds**
- Low
- High

**Hail**
- Low
- High

**Tornadoes**
- Low
- High

**Flooding**
- Low
- High
Severe Weather Outlook for Today

- **Damaging Winds**:
  - Low
  - High

- **Tornadoes**:
  - Low
  - High

- **Hail**:
  - Low
  - High

- **Flooding**:
  - Low
  - High

The map shows the risk levels across different regions, with colors indicating the severity of each weather phenomenon.
Forecast Rainfall Totals through Saturday Morning:

Forecast Precipitation

Valid Ending Saturday July 21st, 2018 at 1 PM CDT

- Up to 0.1 inch
- 0.1 to 0.25 inches
- 0.25 to 0.5 inches
- 0.5 to 1.0 inches
- 1.0 to 1.5 inches
- 1.5 to 2.0 inches
- 2.0 to 3.0 inches
- 3.0 to 4.0 inches
- 4.0 to 6.0 inches
- 6.0 to 8.0 inches
- 8.0 to 10.0 inches
- 10.0 to 15.0 inches
- 15.0 to 20.0 inches
Conclusions

- Damaging winds, very large hail, scattered tornadoes, and frequent cloud to ground lightning will be possible.
- There is still a lot of uncertainty with the timing of this event.
- Exact locations impacted can’t be pinned down but those areas that are affected could see significant impacts.
- Outdoor events may need additional lead time to enact safety procedures due to fast storm motions and potentially significant impacts.
Questions?

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