Storm Spotter Reference

**HAIL SIZES (in inches)**
- Pea: 0.25
- Dime/Penny: 0.75
- Nickel: 0.88
- Quarter: 1.00
- Half Dollar: 1.25
- Ping Pong Ball: 1.50
- Golf Ball: 1.75
- Hen Egg: 2.00
- Tennis Ball: 2.50
- Baseball: 2.75
- Grapefruit: 4.00
- Softball: 4.50

**WIND SPEED ESTIMATES**

<table>
<thead>
<tr>
<th>Wind Speed Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 – 31 MPH</td>
<td>Large branches in Motion; whistling in overhead wires</td>
</tr>
<tr>
<td>32 – 38 MPH</td>
<td>Whole trees in motion</td>
</tr>
<tr>
<td>39 – 54 MPH</td>
<td>Twigs break off trees; wind impedes walking</td>
</tr>
<tr>
<td>55 – 72 MPH</td>
<td>Damage to chimneys, TV antennas; shallow rooted trees pushed over</td>
</tr>
<tr>
<td>73 – 112 MPH</td>
<td>Peels surface off roofs; windows broken; mobile homes overturned</td>
</tr>
<tr>
<td>113 + MPH</td>
<td>Roofs torn off houses; weak buildings and trailer homes destroyed; large trees uprooted</td>
</tr>
</tbody>
</table>

[Diagram: Schematic View of a Tornadic Thunderstorm, Looking Down]

[Diagram: Schematic Diagram of Thunderstorm]
WHAT TO REPORT
- TORNADO
- FUNNEL CLOUD
- ROTATING WALL CLOUD
Watch for sustained, organized persistent rotation

-HAIL – PENNY SIZE OR LARGER
Report the largest size hail you see

-WIND GUSTS 58 MPH OR MORE
Indicate if it was measured or estimated

-SIGNIFICANT FLOODING
Affecting roads, homes, businesses

-ANY STORM DAMAGE
Trees/limbs/power lines down, structural damage

NWS Weather Radio Transmitters
Altus 162.425 MHz
Ardmore 162.525 MHz
Atoka 162.500 MHz
Chickasha 162.450 MHz
Childress 162.525 MHz
Clinton 162.525 MHz
Enid 162.475 MHz
Lawton 162.550 MHz
Oklahoma City 162.400 MHz
Ponca City 162.450 MHz
Stillwater 162.500 MHz
Wewoka 162.550 MHz
Wichita Falls 162.475 MHz
Woodward 162.500 MHz
McAlester OK 162.475 MHz
Childress, TX 162.525 MHz
Miami, TX 162.450 MHz
Sherman TX 162.475 MHz
Paris TX 162.550 MHz
Denton TX 162.450 MHz
Throckmorton TX 162.425 MHz
Beaumont KS 162.500 MHz
Belvidere KS 162.525 MHz
Meade KS 162.475 MHz

HOW TO REPORT
Be BRIEF, but give as many details as possible:

WHO you are

WHAT you saw – be specific

WHERE the event is/was

WHEN it happened

WHICH WAY it was moving

WHO TO REPORT TO
-Use established procedures in your community to make your report.

- Reports should go first to your local emergency manager or other collection point. They will forward your report to NWS.

- To contact the NWS directly…
CALL 405-325-3816 24 hours a day
REPORT online at weather.gov/norman

National Weather Service – Norman Forecast Office
weather.gov/norman/spotter