

Commonly Used Hail Sizes

Pea	0.25 inch
Half-inch	0.50 inch
Dime	0.75 inch
Nickel	0.88 inch
Quarter	1.00 inch
Half Dollar	1.25 inch
Ping Pong Ball	1.50 inch
Golf Ball	1.75 inch
Hen Egg	2.00 inch
Tennis Ball	2.50 inch
Baseball	2.75 inch
Tea Cup	3.00 inch
Grapefruit	4.00 inch
Softball	4.50 inch



Please note there is no 'marble size' due to the multiple different sizes of marbles.

Guidelines for Estimating Wind Speeds

30-44 mph—Whole trees in motion (light-weight loose items tossed or toppled, e.g., lawn furniture)

45-57 mph—Large trees bend; twigs, small limbs break and a few larger dead or weak branches break. Old weak structures may sustain minor damage, loose shingles blow off.

58-74 mph—Large limbs break; shallow rooted trees pushed over. Semi-trucks overturned. Significant damage to weak structures, shingles and awnings removed, damage to chimneys and antennas.

78-89 mph—Widespread damage to trees with large limbs down or trees broken/uprooted. Mobile homes pushed off foundation. Roof may peel off industrial/commercial/warehouse buildings.

90+ mph—Many large trees broken and uprooted. Mobile homes damaged. Roofs partially peeled off homes and buildings. Moving cars pushed off road.

<http://www.srh.noaa.gov/oun/stormspotting/reports.php>

Web Links:

Current/Forecast Events

Severe Weather Outlook/Forecast
<http://www.crh.noaa.gov/ilx/severe.php>

Current Severe Weather
<http://www.spc.noaa.gov>

Current Radar from NWS Lincoln, IL-
<http://radar.weather.gov/radar.php?rid=ilx>

National Weather Service in Lincoln, IL
<http://www.weather.gov/ilx>

Training Guides/Reference Material

Basic Storm Spotter Guide
<http://www.nws.noaa.gov/om/brochures/basicspot.pdf>

Advanced Storm Spotter Guide
http://www.nws.noaa.gov/om/brochures/adv_spotters.pdf

Radar Training (30mb Power Point file) - Very Good
http://www.nws.noaa.gov/pub/wcm/Radar_training.ppt

Weather Software

GR Level 3 Radar
<http://www.grlevelx.com>

Weather Message EMWIN
<http://www.wxmesg.com>

Real EMWIN
<http://www.skywatch.org/realemwin.html>

City Of Peoria Office of Emergency Management

3615 N. Grandview Drive
Peoria, IL 61615
EOC Phone: (309) 494-8089

Contact: Steve Lehmann N9MSF
Cell: (309) 251-7716
E-mail: n9msf@ecrt.org

City Of Peoria Office of Emergency Management



Central Illinois All Hazards Net

147.075+ MHz 103.5 pl

Severe Weather Information



Emergency Communications
Response Team

www.ecrt.org



Local Emergency Nets



The Central Illinois area is divided by County lines. Each county supports an amateur net during severe weather. The Office of Emergency Management or Emergency Management Agency coordinates this effort.

Each net is opened to any amateur radio operator with 2 meter privileges.

Peoria County—147.075 (+)
Requires 103.5 CTCSS

Tazewell County—146.910 (-)

Woodford County—147.255 (+)
Requires 103.5 CTCSS

Scheduled Emergency Nets:

Central IL All Hazards Net—147.075 (+)
Every Tuesday at 8:50pm
Requires 103.5 CTCSS

Peoria County—444.200 (++)
Every Tuesday around 7:55pm

Peoria County—146.760 (-)
Immediately following UHF Net

Tazewell County—146.910 (-)
Every Tuesday around 7:15pm

Woodford County—147.255 (+) 103.5
Every Tuesday at 9:00pm

(-) indicates repeater input down 600 kHz
(+) indicates repeater input up 600 kHz
(++) indicates repeater input up 5 MHz

Net Operations

There are a few simple guidelines each amateur should follow when working with a net. Understanding the net is being directed by the net control station is key.

- **Listen** to the frequency for activity and traffic before transmitting. Make sure you are not interfering with critical communications.
- **Transmit just your call sign.** When a net is in operation the net control operator may be doing several tasks or change operators frequently. Simply state your call sign and wait to be recognized by the net control operator.
- **Monitor the net.** The net control stations keep close track of participants. If you need to leave the net before the net is closed let the net control station know. Safety is a priority during severe weather and net control operators need to know you are okay.
- **Communicate only with the net control station.** If you need to talk with another radio operator, check in with net control first. Ask if it's okay to contact the other station. Quickly agree on another frequency and move off the net. Notify the net control station when you return to the net.



- **Report significant events.** Review the information from this brochure and listen to what the net control station is looking for. Often the National Weather Service gives us a good idea of what we should expect to see.

What To Report



The following list are items each net will be looking for during severe weather events. Any event posing risk to life or property should be reported immediately.

- **Tornado**
- **Funnel Cloud**—Organized, Persistent, Sustained Rotation
- **Wall Cloud**—Organized, Persistent, Sustained Rotation
- **Hail**—Dime Size or Larger, Report the largest size hailstone
- **Wind Gusts**—58mph or higher, specify estimated or measured
- **Flooding**— that impacts roads, homes or businesses
- **Storm Damage**
 - Damage to structures (roof, siding, windows, etc)
 - Damage to vehicles (hail or wind)
 - Trees or large limbs down
 - Power/telephone poles or lines down
 - Damage to farm equipment, machinery, etc

Reports should provide as much detail as possible to describe the where, when, how, etc of the event.