

Hail Size Estimates

Hail Size	Description
0.25-0.50 inch	Small Hail
0.70 inch	Dime
0.75 inch	Penny
0.88 inch	Nickel
1.00 inch	Quarter
1.25 inches	Half Dollar
1.50 inches	Ping Pong Ball
1.75 inches	Golf Ball
2.00 inches	Lime
2.50 inches	Tennis Ball

Note: Hail size refers to the *diameter* of the hailstone.

No Report to NWS necessary
Non-Severe --- Please Report to NWS
Severe --- Please Report to NWS!

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Wind Speed Estimates

MPH	Knots	Description	Specifications
8-12	7-10	Gentle Breeze	Leaves and small twigs in constant motion; Wind extends light flag.
13-18	11-16	Moderate Breeze	Raises dust, loose paper; Small branches moved.
19-24	17-21	Fresh Breeze	Small trees begin to sway
25-31	22-27	Strong	Large branches in motion; Whistling heard in telephone wires; Umbrellas used with difficulty.
32-38	28-33	Very Strong Wind	Trees in motion. Light-weight loose objects (e.g., lawn furniture) tossed or toppled. Walking becomes difficult.
39-49	34-42	Gale Force	Small trees bend; twigs and small branches/limbs < 2" in diameter may break off trees.
50-57	43-49	Near Severe	Limbs 2-3" in diameter or larger dead or weak branches may break. Very small trees may blow over or snap. Old/weak structures (e.g., sheds, barns) may sustain minor damage (roofs, doors). Building partially under construction may be damaged. A few loose shingles removed from houses. Carports and poorly secured tents may be uplifted; minor cosmetic damage to mobile homes.
58-73	50-64	Severe Storm	Large limbs break; shallow rooted trees pushed over. Semi trucks overturned. More significant damage to old/weak structures. Shingles, awnings removed from houses; damage to chimneys and antennas; mobile homes, carports incur minor structural damage; large billboard signs may be toppled.
74-89	65-77	Hurricane Force (CAT 1)	Widespread damage to trees, some snapped/uprooted. Mobile homes incur significant structural damage, pushed off foundations or overturned. Roof may be partially peeled off industrial/commercial/warehouse buildings. Some minor roof damage to homes. Weak structures (e.g., farm buildings, airplane hangers) may be severely damaged.
90 +	78 +	Destructive Wind	Many large trees snapped or uprooted. Mobile homes severely damaged; moderate to severe roof damage to homes. Moving automobiles pushed off dry roads. Barns, sheds demolished.

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