

WEATHER REPORTING CRITERIA FOR GRAYSON COUNTY SKYWARN®

For our local SKYWARN® Net we want you to report wind speed, changes in wind direction, is it inflow or outflow, rain rate (estimate or measured) and hail size to the Net Control Station and/or any significant weather changes at your reporting location.

PLEASE ALWAYS GIVE YOUR PHYSICAL LOCATION!!!! US 82 & US75, US82 & 1417 East of Sherman, US75 at FM902, This lets people who are listening at the EOC's , NWS or those who have scanners know what is occurring and where at. This aids the NWS in the issuing of severe weather warnings specific to certain areas in the county and the EOC's for activating warning sirens or CODE RED phone messages about the severe weather.

Below are the events that the **National Weather Service** would like to know about as soon as possible:

TORNADO		
FUNNEL CLOUD		Organized, persistent, sustained rotation
WALL CLOUD		Organized, persistent, sustained rotation
HAIL	<u>Dime size or larger</u>	Report the largest size hailstone
WIND GUSTS	<u>58 mph or higher</u>	Specify estimate or measurement
FLOODING		Flooding that impacts roads, homes or businesses.
STORM DAMAGE		Damage to structures (roof, siding, windows, etc) Damage to vehicles (from hail or wind) Trees or large limbs down Power/telephone poles or lines down Damage to farm equipment, machinery, etc

SEVERE THUNDERSTORM CRITERIA: Hail quarter size (1") or larger and/or wind 58 mph or higher.

HAIL SIZE

Pea	.25 inch	Golf Ball	1.75 inch
Half-inch	.50 inch	Hen Egg	2.00 inch
Dime	.75 inch	Tennis Ball	2.50 inch
Nickel	.88 inch	Baseball	2.75 inch
Quarter	1.00 inch	Tea Cup	3.00 inch
Half Dollar	1.25 inch	Grapefruit	4.00 inch
Ping Pong Ball	1.50 inch	Softball	4.50 inch

PLEASE DO NOT REPORT HAIL AS MARBLE SIZE.

Marbles come in various sizes.

GENERAL GUIDELINES for ESTIMATING WIND SPEEDS

30-44 mph (26-39 kt)	Whole trees in motion. Inconvenient walking into the wind. Light-weight loose objects (e.g., lawn furniture) tossed or toppled.
45-57 mph (39-49 kt)	Large trees bend; twigs, small limbs break and a few larger dead or weak branches may break. Old/weak structures (e.g., sheds, barns) may sustain minor damage (roof, doors). Buildings partially under construction may be damaged. A few loose shingles removed from houses.
58-74 mph (50-64 kt)	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.
75-89 mph (65-77 kt)	Widespread damage to trees with large limbs down or trees broken/uprooted. Mobile homes may be pushed off foundation 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 hangars) may be severely damaged.
90+ mph (78+ kt)	Many large trees broken and uprooted. Mobile homes damaged. Roofs partially peeled off homes and buildings. Moving automobiles pushed off the road. Barns, sheds demolished.