

SEVERE LOCAL STORMS FOR SEPTEMBER 1946

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the United States Meteorological Yearbook]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Minnesota, west-central counties.	Sept. 1946 5	7 a. m.-1 p. m.	120	1	\$900,000	Thundersqualls	About 206 barns, 81 outbuildings, 27 silos, 2 creameries and a bulk oil warehouse demolished; many houses, town and country buildings, windmills and farm machinery damaged; poles and wires down; many trees uprooted; much poultry and livestock killed; loss in growing crops. Airplane pilot killed when his plane was hurled to the ground. 1 person injured. Many places struck by lightning; 4 cows killed near Maple Plain.
Madison, Wis., and vicinity	5	12:06-12:21 p. m.	1		15,750	Hail	Loss in tobacco, corn, and gardens, \$15,000; property damaged, \$750; path 5 miles long.
Le Roy, Minn., vicinity of	5	3:30 p. m.			70,000	do.	Much loss in corn and soybeans.
Holdredge, Nebr., vicinity of	5	5-6 p. m.	12		9,000	Hail and windsquall	Principal damage from wind to barns and other farm buildings scattered in the area.
Neenah, Wis., vicinity of	5	5:20 p. m.			6,000	Electrical	Barn storing 140 tons of hay burned when struck by lightning.
Oconto, Lena, and Peshtigo, Wis., and vicinities	5	7 p. m.				Wind	Trees and poles down, disrupting utility services; some homes and farm buildings damaged; loss not estimated.
Austin, Minn., and vicinity	5	P. m.			20,000	Heavy rain	Streets and basements flooded; considerable damage to merchandise stored in basements; lowlands inundated; loss in growing crops. At Austin 6.74 inches of rain occurred in less than 12 hours.
Appleton, Wis., vicinity of	5	do.			8,000	Electrical	Silo and barn containing hay, grain, and a heifer destroyed by fire.
Eau Claire, Wis., vicinity of	5	do.			5,000	do.	Barn storing lumber and furniture burned when struck by lightning.
Fond du Lac, Wis.	5	do.			6,000	do.	Barn and contents burned.
Englewood, Colo.	6	4-5:30 p. m.			8,000	Hail	Hailstones, size of walnuts, broke windows, neon signs, and damaged roofs. Basements and ground floors of some stores and dwellings flooded.
Douglas, Wyo.	6	4:05-5:55 p. m.			15,500	Hail	\$500 loss in growing crops; \$10,000 damage to 5 airplanes; \$5,000 damage to roofs, automobiles, trees, and shrubs.
Springer, N. Mex.	7	4 p. m.				Heavy hail and rain	Much loss in gardens; streets and basements flooded.
Milton, Pa.	8	5:15-5:45 p. m.				Thunderstorm	Utility lines down; power off for 5 hours; trees uprooted.
Albion, Mich., vicinity of	10	7:27-7:31 a. m.	300	0		Tornado	100 trees in Riverside Cemetery and 50 in Victory Park destroyed.
Portland, Maine	10	2:50-3:10 p. m.			1,000	Tornadoic wind, electrical.	Damage confined to northern suburbs of Portland. Minor damage to 2 residences; 2 barns leveled, and a roof torn from garage. Shade and pine trees felled. Some evidence of counterclockwise wind movement.
Lock Haven, Pa.	10	8:20 p. m.			20,000	Thunderstorm	Airplane, hangar, and other buildings at flying school damaged. Trees and power lines down.
Allendale, S. C.	11	6:30 p. m.	800		3,000	Thunderstorm	Damage from wind, including broken windows; trees uprooted; roofs of several houses blown off; telephone and power lines blown down.
Chester, S. C.	11	6:15 p. m.			500	do.	Several flimsy buildings housing private planes blown from their foundations, 1 collapsing, damaging a plane.
Fort Stanton, N. Mex.	11	1 p. m.				Heavy hail	Loss in apple and peach crops.
Franklin, Owen, and Henry Counties, Ky.	13	do.	15		200,000	Hail and wind	Loss mostly in tobacco. Hailstorm lasted about 30 minutes. In some areas the ground was covered with about 5 inches of pellets, which remained unmelted for several hours.
Richland County, Mont., eastern portion.	16	8:15 p. m.	8	0	300,000	Tornado	Three separate storm paths converged into one. Minor injuries to at least four people. Standing corn and grain shocks blown away; shelter belts, orchards, hay stacks, and feed yards damaged. Nearly every building over 20-mile path in Montana at least slightly damaged. Power and communications disrupted; 0.79 inch precipitation reported at Fairview. Tornado continued into western North Dakota.
Butte, Mont. and vicinity	16-17	5:00 a. m. on 16th-2:00 p. m. on 17th.		0	5,500	Heavy snow	Record 24-hour September snowfall for Butte. Total snowfall 10.6 inches; greatest depth on the ground, 6.5 inches. Total precipitation, 1.77 inches-1.30 inches from snow. Power and communication lines as well as trees and shrubbery damaged by wet, clinging snow.
Roswell, N. Mex.	18	P. m.				Heavy rain	Flash flood washed out highway bridge, inundated lowlands, and flooded basements.
Casa Grande to Gila Bend, Ariz.	18-19	Continuous			5,000	Rain	Damage to highway 84, necessitating considerable repairs and leveling of surface.
Clifton to Duncan, Ariz.	18-19	do.			2,500	do.	Highway damaged.
North Carolina, tidewater counties from South Carolina border northward to Pamlico River, N. C.	19-20	P. m. on 19th-p. m. on 20th.				Tropical disturbance.	Storm developed off the South Carolina coast and moved inland near North Carolina border on the night of the 19th, then moved northeastward, leaving the State in the vicinity of Northampton County on the night of the 20th. Rains of 8 to 12 inches were general over the tidewater counties from the South Carolina border northward to the Pamlico River. Roads flooded; telephone service interrupted to some beach resorts due to high winds.
Lander, Wyo.	21	5 p. m.			1,000	Wind	Maximum wind velocity of 60 miles per hour for a 5-minute period, and an extreme velocity of 70 miles recorded. Damage to broken electric poles and wires amounted to \$1,000; undetermined amount of damage to trees and shrubs.
Lake Delton, Wis., vicinity of	22	5:55-6:10 p. m.	27		10,000	Tornadoic wind	Damage confined to McBoyle Airport; hangar unroofed; 3 small airplanes wrecked; 6 automobiles damaged; several trees blown down. Storm moved from southwest to northeast; rotary winds observed.
Escanaba, Mich.	24	12:46-12:47 p. m., C. S. T.	1-200	0	350,000	Tornado	Coal unloading derrick destroyed; collier, houses, windows, trees, wires, and flagpoles damaged. Funnel cloud observed; trees on ground in swivel pattern.
Muskegon, Mich.	24	P. m.			50,000	Wind	Estimated that 15,000 bushels of apples blown from trees in Oceana County.
Portage County, Wis., eastern portion.	26-27	During night and about noon.			16,700	Electrical	Lightning struck, causing 4 barns and contents of stored crops to burn; loss in cattle, \$700.
Bethel, N. Mex.	28	5:30 p. m.			12,000	Heavy hail and rain	Much loss in small grains, cotton, grain sorghums, peanuts, and truck crops.
Beaver County, Pa.	29	P. m.				Hail and rain	Hail the size of marbles damaged crops, gardens, and homes, and covered the ground to the depth of several inches. Heavy rains washed out newly sown wheat fields.
Gallipolis, Ohio, vicinity of	29					Hail	Much loss in tobacco and corn in some places.

¹ Miles instead of yards.