

SEVERE LOCAL STORMS

[Compiled by MARY O. SOUDER from reports submitted by Weather Bureau Officials]

[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
Buffalo, Okla., vicinity of	1	4 p. m.	12-6		\$150,000	Hail	Loss to crops, \$100,000; property damage and loss of farm animals, \$50,000 path 30 miles long.
Woodward, Okla., and vicinity	1	5:45 p. m.	10		5,000	Hail, wind and rain.	Loss to crops, principally wheat, \$4,000; property damage, \$1,000; path 20 miles long.
Ryus, Kans., and vicinity	1	6 p. m.	13-4		8,000	Heavy hail	Wheat total loss in some localities; windows broken; buildings damaged; path 12 miles long.
Weatherford, Okla.	1	6 p. m.	13		300,000	do	Loss in wheat and other crops, \$50,000; damage to building and other property, \$250,000; farm animals killed; path 3 miles long.
Eagle Nest, N. Mex., 1 mile west.	3	4:26-5:30 p. m.	13		7,300	do	\$4,000 loss to crops; \$2,700 damage to roofs.
Great Falls, Mont., 12 miles east.	5			0		Tornado	This storm traversed only range land and caused no property loss nor personal injuries.
Teton County, Mont.	5				12,000	Hail	Loss to crops.
Alexandria, S. Dak., western portion.	6	3 p. m.				Heavy hail	In some sections, total loss in small grains; path narrow and 1 to 1½ miles long.
Blout, S. Dak., 5 miles south.	6	7 p. m.			10,500	do	Storm severe; stones large. Crop loss, \$10,000; property damage, \$500.
Rockham, S. Dak., vicinity of.	6	7-8 p. m.			5,000	Wind and rain	Several buildings demolished; no crop loss.
Mead and Haakon Counties, S. Dak.	6	8 p. m.	16			Heavy hail	Crops destroyed, principal loss to corn in spots; path 40 miles long.
Redfield, S. Dak., vicinity of.	6	8:50 p. m.				Wind and rain	0.80 inch of rain recorded in 12 minutes; trees and small buildings damaged; path narrow.
Aurora County, S. Dak.	6	9:30-10:30 p. m.	12		3,300	Wind and hail	Chickens and turkeys killed; crop loss, \$3,300.
Portales, N. Mex., vicinity of.	7	4-5 p. m.	13		1,000	Heavy hail	Loss to crops.
Nickerson to Valley, Nebr.	8	2-4 p. m.			20,000	Wind and hail	Loss in corn, wheat, and oats; path 15 miles long.
Monona, Crawford, Harrison, and Shelby Counties, Iowa.	8	6:30-11:30 p. m.			985,000	Hail, heavy rain and flood.	This storm started in Monona County at 6:30 p. m., where damage ranged up to 80 percent of the total crops. In the last 3 counties named there was almost complete destruction of crops from a hailstorm that started at 10 p. m. Nearly 600 farms were affected with severe damage on about 400. 11 bridges washed out in Shelby County. Railroad roadbeds washed; bus and train service delayed; property damaged; livestock lost; 75,000 acres of crops total loss.
Portsmouth, Iowa.	8	11:30 p. m.		0	100,000	Tornado	25 persons injured, several seriously. Greatest loss in business district with only 2 buildings escaping serious damage; path 10 miles long.
Ruble to Correctionville, Iowa.	8		11-2		40,000	Hailstorms	There were 3 separate storms, each with a differing area of most intense damage. About 200 farms affected with some losses. Property damage, \$3,000; loss to crops, \$37,000; path 30 miles long.
Northland and Fisher, Minn., and vicinities.	9	1:50 p. m.	12½		20,000	Hail, thunderstorm, heavy rain.	Considerable damage to growing crops, some fields of grain a total loss; property damaged; much poultry perished. Loss to crops, \$20,000; path 18 miles long.
Woodbine, Logan, and Calhoun, Iowa, and vicinities.	9				40,500	Heavy rain and flood.	The Boyer, Willow, and Soldier Rivers overflowed their banks following the downpour of rain. Loss in crops and gardens; basements flooded.
Audubon, Guthrie, and Adair Counties, Iowa.	10	3 a. m.			10,000	Heavy hail	Property damaged.
Minnesota, extreme southeastern counties.	10	5 p. m.	15		99,000	Thundersqualls	General direction of the storm from northwest to southeast over a path 90 miles long; much property damaged.
Pierce and St. Croix Counties, Wis.	10	6:30-7 p. m.	10		18,000	Heavy hail	Property damage, \$3,000; loss to crops, \$15,000; path 15 miles long.
O'Brien County, Iowa.	10	8:30-10:30 p. m.			20,000	Straight-line wind.	Trees uprooted; corn flattened; 4 barns completely wrecked.
Calhoun County, Iowa.	10	P. m.			10,000	Wind, electrical	Power lines and trees down; farm buildings damaged.
South Dakota, most counties along eastern edge.	10	do			100,000	Wind, rain, and hail.	Buildings, automobiles, farm machinery, and windmills wrecked; trees broken, livestock killed; crop loss negligible to 100 percent. Estimated damage more than \$100,000.
Minnesota, extreme southeastern counties.	10		13		227,000	Hail	In Fillmore County more than 200 farmers lost their entire crops, while 150 others lost part of their crops; path 30 miles long.
Cherryvale, Kans.	11	4:30-6 p. m.	16			Thundersquall and hail.	Farm buildings, power and telephone lines damaged by wind; loss to crops from hail; path 7 miles long.
Atchison, Doniphan, and Leavenworth Counties, Kans.	11	5:50-7:30 a.m.			15,000	Wind and rain	Some farm buildings damaged or totally destroyed. Flooding occurred in Leavenworth County.
Ponca City, Okla., and vicinity.	11	6 p. m.	12		500	Wind	Property damaged; path 35 miles long.
Big Spring, Nebr.	11	7-9 p. m.	14	3	50,000	Hail and excessive rain	6,000 acres of wheat destroyed by hail; bridge washed out. Passenger automobile and truck plunged into flooded gulch, killing 3 persons.
Oklahoma City and Norman, Okla.	11	8:15 p. m.	13		13,000	Wind	Wind of 70 miles per hour recorded at the Oklahoma City Airport with considerable damage to the hangar of the Southwest Aviation & Service Co., when the roof and doors were blown off the building and several planes damaged to the extent of \$10,000. Near Norman crop loss was estimated at \$1,000 with property damage of \$2,000. Path 20 miles long.
Blanchard, Okla.	11	9 p. m.	14		2,500	do	This storm believed to be a portion or extension of the one that occurred at Oklahoma City Airport. Property damaged; slight loss in broomcorn crop.
Putnam County, Ind.	11				1,000	do	Property damaged.
Centerville, N. Mex.	12	P. m.	2,640		500	Heavy hail	Loss to crops.
Daniels, Sheridan, and Roosevelt Counties, Mont.	13	4:45-6 p. m.	18		450,000	Hail and wind	Loss to crops, \$400,000; property damage, \$50,000; path 150 miles long.
Rosebud County, Mont.	13	8:50 p. m.	15		2,500	Hail	Loss in wheat and oats; path 30 miles long.
Valley County, Mont.	14				880	do	Crop loss, \$8,500; small property damage; path 20 miles long.
Randolph County, Ind.	15	6 p. m.			880	do	Much crop loss.
Byers, Colo.	15	3 p. m.			11	Heavy hail	Considerable damage in small area; loss to crops, \$1,250.
Jefferson County, Mont.	16	2 p. m.	10		1,250	Wind and hail	Loss in wheat and oats, \$5,000; property damage, \$2,000; path 15 miles long.
Gallatin, Mont.	16	2:45-3:30 p. m.			2,700	Wind	Property damaged.
Fergus County, Mont.	17	5:30 p. m.	13			Hail and wind	Loss in wheat and hay, \$15,000; property damage, \$1,500; path 14 miles long.
Wibaux County, Mont.	18		14		10,000	do	Grain and corn total loss; path 6 miles long.
Thomas, S. Dak., vicinity of.	19	5 a. m.		0	5,000	Tornado	Several small buildings, windmill, large barn and silo wrecked; crop loss negligible, not estimated; path narrow.
McLaughlin, S. Dak.	19	6 p. m.	14			Heavy hail	Loss in crops; path 6 miles long.
Perkins, S. Dak.	19	P. m.				Wind and hail	Grain total loss on several farms; farm buildings wrecked; 1 person injured by flying timber; path narrow.
Atwood and Bilby, Okla.	20	11:45 a. m.	12		21,000	Wind and heavy hail.	Wind damage to crops, \$3,000; property damage, \$3,000; crops loss from hail principally to cotton, \$15,000; path 30 miles long.
Coalgate, Okla.	20	12:45 p. m.	14		700	Wind	Crop loss, \$200; property damage, \$500; path 20 miles long.
De Witt, Nebr.	21	Noon	100	0	2,000	Tornado	Barn moved on its foundation and 2 sheds destroyed.
Deerbrook, Wis., and vicinity.	21	2 p. m.	12		3,000	Wind	Large barn and 2 garages blown down, another damaged; path 5 miles long.
Wichita, Kans.	21	4:32-4:37 p. m.		0		Small tornado	Vortex cloud observed about 2 miles northeast of Wichita Airport, but did not reach the ground.
Miller, S. Dak., vicinity of	21	P. m.		0		Tornado	Barn, garage, and 2 windmills destroyed; minor loss to crops; path barrow.

¹ Miles instead of yards.

SEVERE LOCAL STORMS—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Clio, S. C.	22	4 p. m.			1,000	Electrical	Barn, with implements and livestock, burned.
Canton, Okla.	22	6 p. m.	14		7,700	Wind and hail	Loss in cotton, corn and feed crops, \$17,000; property damage, \$6,000; path 6 miles long.
Major, Blaine, and Dewey Counties, Okla.	22	6-6:30 p. m.	14		100,000	Heavy hail	Loss in crops; property damaged; path 20 miles long.
Taloga, Okla.	22	8 p. m.	1,320		19,000	Hail and wind	Damage to property from wind, \$12,000, from hail, \$2,000; crop loss from hail, \$5,000; path 2 miles long.
Stiles Junction to Oconto, Wis.	23	2 p. m.	12		5,000	Wind	Barn demolished, 2 others and a residence damaged; several smaller buildings blown down. Property damage, \$4,000; loss to crops, \$1,000.
Menasha to Appleton, Wis.	23	2:55-4:10 p. m.	12		5,000	Hail and wind	Loss to crops; path 25 miles long.
Daniels County, Mont.	23	4-6 p. m.	14		70,000	do	Crop loss, \$60,000; property damage, \$10,000; path 20 miles long.
Artesia, S. Dak., vicinity of.	23	5 p. m.			18,000	Wind	Several farm buildings destroyed; 2 persons injured.
Denville to Mount Morris, N. Y.	23				300,000	Torrential rain	Bridges damaged; small section of the roadbed of the Pennsylvania Railroad washed out; highways covered with debris; some roads under 4 feet of water. Crops in lowland ruined. Estimated loss of entire crops, \$100,000; property damage, \$200,000.
Parkston, S. Dak., vicinity	23			0		Tornado	Church lifted from its foundation and destroyed; barn wrecked.
Minnesota, extreme northern counties.	24	2-5 a. m.	125		300,000	Thundersqualls	Much property damaged; loss in growing crops; hundreds of trees uprooted; livestock killed; several persons injured; path 200 miles long.
Mahnomen County, Minn., northern portion.	24	2:30 a. m.			10,000	Hail	Loss to growing crops.
Fergus County, Mont.	24	P. m.	880		10,000	do	Loss in crops; path 2 miles long.
Pondera and Teton Counties, Mont.	24	3 p. m.			50,000	do	Loss in mustard, wheat, oats, and barley; path 25 miles long.
Mercer, Wis.	24	9:30-10:15 p. m.			600	do	Chief damage to roofs and windows; minor loss to crops.
Blaine County, Mont.	25	11 a. m.	16		3,000	do	Loss in wheat; path 20 miles long.
Carbon County, Mont.	25	12:30 p. m.	11		25,000	do	Loss in wheat, oats, and hay; path 8 miles long.
Richland County, Mont.	25	2 p. m.	880		12,000	Hail and wind	Loss in crops; path 4 miles long.
Springfield, S. Dak., vicinity of.	25	5 p. m.	880		10,000	Wind	Church demolished; roofs, small buildings, windmills, and trees damaged.
Rock and Walworth Counties, Wis.	25	6-6:30 p. m.				Thundersquall	Barn demolished; house under construction wrecked; many trees blown over; electric service disrupted; man injured and livestock killed.
Haigler, Nebr.	25	8 p. m.	14		6,000	Hail and wind	Loss in corn and sorghums from hail, \$5,000; wind damage to property, \$1,000.
Jackson County, Iowa	25-26	P. m.			10,000	Electrical	Several barns struck by lightning and burned.
Truchas, N. Mex.	26	3-4 p. m.	440		500	Heavy hail	Loss in crops.
Lincoln County, Kans.	26	7 p. m.			10,000	Wind	Damage to farm buildings and residences; 1 person injured.
Massena, N. Y., vicinity of.	26			1		Thunderstorm	Much damage to trees, telephone, and power lines. Girl killed by lightning.
Custer County, Mont.	27	4:40 p. m.	12		5,500	Wind and hail	Storm mostly over range land; loss in crops, \$5,000; property damage, \$500; path 40 miles long.
Scott City, Kans., northwest of.	27	5 p. m.	11-5		2,500	Wind	Most damage to small buildings. Wind violent in some portions. Path 10 miles long.
Nebraska City, Nebr., vicinity of.	27	5:45 p. m.	100	0	10,000	Tornado	Farm buildings wrecked; power lines damaged.
Sidney and Hamburg, Iowa	27	6 p. m.		0	15,000	Tornadoic wind and hail.	Property damage, \$12,000; crop loss, \$3,000.
Mount Ayr, Iowa, 6 miles northwest.	27	7 p. m.	33	0	1,500	Tornado	Property damaged; path several miles long.
Clayton County, Iowa	27	11:20 p. m.	110		28,000	Hail	Loss to crops, path 10 miles long.
La Crosse, Kans., and vicinity.	27	P. m.			800	Wind	Some small buildings blown down; minor damage to residences.
Pauline, S. C., vicinity of.	27				1,000	Electrical	Garage and barn, with feed, burned.
Audubon, Iowa	27-28				1,000	Heavy rain and flood.	Western section of town flooded; 8 families removed from homes.
Indianola, Iowa	28	1 a. m.			500	Wind	Buildings unroofed.
Orogrande, N. Mex., vicinity of.	28	4:40-5 p. m.		0		Tornado	No damage because the storm occurred in an unoccupied area.
St. Paul, Minn.	29	A. m.			5,000	Rain and flood	Sewers overflowed; basements flooded.
Lincoln, Nebr., 2 miles south.	29	5 p. m.	100	0	5,000	Tornado	Barns and outbuildings on 4 farms damaged.
Ames, Iowa, vicinity of.	30	1:30 a. m.			22,000	Electrical	A fraternity house and the Iowa State College Farm's grain elevator burned.
Granite and Powell Counties, Mont.	30	9:27 p. m.	12		30,200	Hail	Loss in crops, \$20,000; property damage, \$200; path 30 miles long.
Newton, Iowa, vicinity of.	31	2:30 a. m.			2,500	Electrical	Barn and contents burned.
Raymond, Minn., vicinity of.	31	7 p. m.	11		2,000	Thundersquall	Property damaged; path 24 miles long.
Hastings, Nebr.	31	do	11		30,000	High wind	Roofs blown off; plate glass broken; outbuildings wrecked; 3 persons cut by flying glass.
Utica, Nebr.	31	8:30 p. m.	11		3,000	do	Barns and outbuildings damaged or demolished on 3 farms.
Lemmon, S. Dak.	31	9:15 p. m.				Wind and hail	Widespread damage to buildings and crops.

¹ Miles instead of yards.