

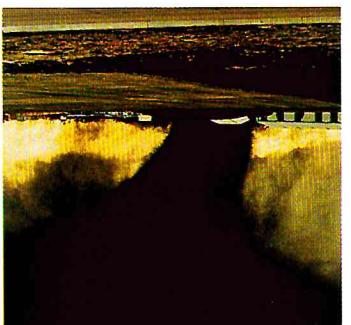
Made distribution While tornadoes can occur at any time and at any place, there are some times and locations where they are more likely to form. Most tornadoes—especially violent ones—form in the spring during the late afternoon and evening. They are more likely to form in the central United States, where cold continental polar air collides with maritime tropical air moving northward from the Gulf of Mexico. These large temperature contrasts often spark several strong tornadoes. More than 700 tornadoes touch down each year in the United States. Many of these occur in a region called "Tornado Alley," which extends from northern Iowa through Oklahoma, Kansas, and Missouri.

granade distribution While tornadoes can occur at any

shown in Table 13.1.

Japanese tornado classification Tornadoes vary greatly in size and intensity. The Fujita tornado intensity scale, which ranks tornadoes according to their path of destruction, wind speed, duration, is used to classify tornadoes. The Fujita scale was named for Japanese tornado researcher Dr. Theodore Fujita. The ranges from F0, which is characterized by winds of up to 50 km/h, to the incredibly violent F5, which can pack winds of over than 500 km/h. Most tornadoes do not exceed the F1 category, in fact, only about 1 percent reach F4 or F5. Those that do, however, can lift entire buildings from their foundations and toss mobile homes around like toys. The Fujita scale is

Tornado classification Tornadoes vary greatly in size.

Weak (F0 and F1)	Strong (F2 and F3)	Violent (F4 and F5)
 <p>80 percent of all tornados 19 percent of all tornados 1 percent of all tornados</p>	 <p>Path: Up to 4 km Path: 24 km + Path: 80 km + Duration: 1 h + Duration: 20 min + Wind speed: 181–332 km/h</p>	 <p>Wind speed: 33–512+ km/h Wind speed: 70–180 km/h Wind speed: 1–10 min</p>

More about the Fujita tornado intensity scale, visit genoee.com.

Mediterranean Table To explore more about the Fujita tornado intensity scale, visit [glencoe.co](http://www.nws.noaa.gov)

Fujita Tornado Intensity Scale