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## Impact of line thunderstorms on farmers in the interior

It should come as a surprise that thunderstorms have some positive effects, even though the negative effects of storms are devastating. A thunderstorm is a severe atmospheric turbulence that occurs in all parts of the world, but is less common at the North and South Poles. The study shows that about 1,800 storms are inactive at any given time and a total of 16 million storms occur each year. What is a storm? A thunderstorm is a severe meteorological event characterized by strong winds accompanied by violent thunder and lightning. It is also called flash or timer. Thunderstorms are known to occur in all parts of the world, although less frequently in the polar regions, with the tropical regions of South Africa being the most affected by thunderstorms. Thunderstorms can be classified into different types; Previously, storms were classified as localized, frontal, or orographic thunderstorms. Today, storms are classified based on their storm characteristics into isolated storms, also air mass or localized thunderstorms, multicellular storms, and supercellular storms. A storm is classified as dangerous when wind speeds reach or exceed 58 miles per hour. Thunderstorms generally involve heavy rain, hail, and sometimes a tornado in which the air vortices become intense and violent. Thunderstorms are more common in spring and summer and during the day and evening, but can occur at any time of the year. Convection causes storms. If a storm contains one or more of the following events: centimeter hail, wind speeds above 50 knots (57.5 miles per hour), or a tornado, it is considered "severe." About 16 million storms occur every year. [siyamukeco](#)



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The first phase involves the formation of a heap as explained above. In this phase, small raindrops are formed, but they cannot touch the ground due to the current airflow. The smaller droplets combine to form a larger drop. When a drop of water falls to the ground quite densely and heavily, the storm enters its maturation phase. During the mature phase, the most abundant rainfall occurs and Hale falls out of the cloud. The storm will continue to grow as long as there is an upwelling flow of hot air, but once the upwelling flow becomes insufficient, it will weaken and enter the dissipation phase. During the dissipation phase, the ascent current is very weak and the storm slows and weakens, leaving thin clouds behind it. Positive and negative effects of the storm. The consequences of storms, like other natural disasters, are both positive and negative for the environment and for life on Earth. Positive Effects Some of the positive effects are: 1. Nitrogen production. This is one of the most significant impacts of a storm on nature, as storms create a natural pathway for the production of nitrogen necessary for plant growth. When lightning enters the atmosphere, it causes the nitrogen molecules to disappear, creating a space where they can react with oxygen to form nitrogen oxide. The rain then dissolves them into nitrates and transports them deeper into the soil, loosening it.After love at first sight. 3. Storming the underground tank provides enough rainfall to supplement the water level in place, the water level is an important source of fresh water, its water is suitable for drinking, because it was cleaned because it passes through a porous layer of soil and can be used for different goals, such as watering gardens and agricultural land, supplying water for industrial purposes, etc. 4. To maintain the electric balance of the earth, storms help maintain the electric balance of the earth, the soil is negatively charged, and the atmosphere is charged positively, the storms help to carry a negative load from the atmosphere on the ground. The constant electron current always circulates throughout the atmosphere surface. Storms help to transfer negative loads to the ground (lightning is usually negatively charged). The negative consequences of tornadoes include: 1. Death, instant storms are extremely dangerous, because they cause atmospheric discharges that kill 75 to 100 people annually, and about 3,000 people are injured in the United States. This storm effect is unlikely if someone stays in the room. 2. The external flood is one of the main negative effects of the storm on society. Storms can cause violent floods that can wash off cars, fill sewage channels and houses, damage crops and more. It happens mostly at night. It is estimated that it causes about 140 people a year, which makes it one of the most deadly storms. 3. HAB are a potential phenomenon during storms and are the main effect of storms, because storms create atmospheric conditions conducive to their occurrence. A large hail moves at a speed of up to 160 km/h and can kill wild animals, destroy greenhouses, car windows and more. 4. Tornado is on TornadoFences, lifting roofs of buildings, harmful farms, etc. This is usually a consequence of storms and preventive measures must be taken to avoid falling victim to property damage. 6. Waldfeuerwaldfeuer is one of the biggest consequences of storms. Flash is known to cause a quarter of all forest in a Colorado dry storm. Dry storms are accompanied by less rainfall, but accompanied by more lightning and strong winds. It is known to ignite dried organic matter and the wind cools and fuels the fire. It is difficult for firefighters to extinguish the fire in such weather conditions. Storm Exposure - How Do Thunderstorms Precipitate? Thunderstorms have been shown to influence the amount of precipitation in lightning. Using bicycle reflection measurements, it was found that "rain shower" produced "rain" in regions where the light flash was observed. It can be seen that the mass of water droplets increases by up to 100 mm, which leads to increased precipitation. Can we produce electricity from storms? Scientists estimate that storm clouds contain Gigavolt potential energy that New York City could feed for 26 minutes. On average, a flash light can power a 100-watt bulb for over 3 months. Since the 1980s, much research has been done to find out whether lightning energy can be harvested and stored. To capture the energy released from the flash, the device must be able to protect the energy lighting screws and reduce their voltage for effective storage in batteries. A group of lighting recipients can be used to generate energy from a flash strike and convert it to heat or mechanical energy, and an inductor can be used to capture safe lighting energy if they are effectively deployed. Recommendations Recommendations