

Plants feel pain when they are eaten and have a defense mechanism against it

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1. The most exotic plants on Earth
2. 7 species of plants have special abilities like humans

This is the result of a study by scientists at the University of Missouri since 2015. Accordingly, experts discovered that plants can sense when they are being eaten and thus provide a mechanism. Self-defense, to prevent that from happening.



The team carried out experiments on a family of plants with the scientific name Arabidopsis - including cruciferous plants such as broccoli, kale, broccoli . They were the first plants to be decoded. The gene should be used in many different scientific experiments.

To get an answer to the question, '*Do plants know when they are eaten?*' Experts have fed a worm to Arabidopsis leaves, then recorded exactly the vibrations they created. During the experiment, they controlled other natural interfering agents such as the wind, the sound of flowing water .

The results showed that the experimental plants produced a number of essential oils with the same flavor as mustard oil (mustard oil) used as a mild substance much more than normal. This oil is secreted by plants and transported throughout the body to ward off enemies. In addition, the researchers found that deep-rooted plants also differentiated vibrations from "chewing" with other natural vibrations.



Heidi Appel, a scientist at the Department of Plant Science at the University of Missouri, said previous studies have shown that plants can react to sound energy, including music.

Research by scientists at the University of Missouri has found the first evidence that plants can sense threatening vibrations. Vibrations emitted by the enemy's enemies can activate plant defense mechanisms, causing them to produce chemicals to defend themselves.

This also explains why the leaves are often chewed by worms, not fully eaten. Simply because trees 'turn on the switch' to defend and chase them away.

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