

CLIMATE OVERVIEW

Climate is the average weather in an area for multiple decades. A cold day in Florida does not mean that the climate in Florida is a cold one. Even a particularly cold year in Florida does not impact the climate of Florida. Only repeated years of a certain kind of weather can dictate the climate of a region. For this reason, climate is very hard to measure or calculate, except for with mathematical calculations.

Although climate is hard to calculate, it is not impossible to understand. Using things like a Farmer's Almanac, which records daily weather in a region for past decades. Another way to understand the climate of a region is to look at the animals, and especially the plants, in the region. Plants grow slowly and are susceptible to inclimate weather, especially when they're young. Therefore, they are most successful throughout the course of their lives when they live in a comfortable climate. Palm trees are successful where climate is warm, and oak trees where climate is cooler.

Plants and animals can also be the earliest indicators of a changing climate, before the data is collected for mathematical calculations. Birds migrate based on weather and climate, and hunters and naturalists notice that birds fly through their area as they move north, earlier in the year. Trees bud earlier than they have in previous years. All of this data, in addition to temperature and other weather data averaged together with math calculations, can show if climate has been changing, and by how much.