

## **Summary:**

This study aims to identify the phenomenon of climate influence and its relationship with tropical plants in the Shugairi Center in Damad Governorate, and from here we began to propose the following: Research questions and hypotheses:

- Is there a relationship between climate and the cultivation of tropical plants?

## **Hypothesis:**

Hypothesis: There is a relationship between climate and the cultivation of tropical plants in the Shugairi Center

### **procedures:**

We used observation and a descriptive survey method, and a questionnaire was distributed to a sample

GLOBE was a random sample of (11) items, and measurements were made with tools

And photographing data from the site, we took a group of pictures showing climate change in the Shugairi Center.

## **Results:**

There is a relationship between the cultivation of tropical fruits and the climate of the Jazan region in the Shugairi center.

## **Conclusions:**

There is a direct relationship between the cultivation of tropical fruits and climate change and it varies from one region to another

This study helps develop solutions and emphasizes the importance of studies and research to obtain solutions and results that help reduce the risk of the weather's impact on agriculture.

## **Terminology:**

**Climate:** It is the natural physical state, the generated state of the atmosphere or the long-term average state of a place. The period during which the climate is determined is not less than 30 years. Weather changes refer to a specific moment in time (day or week), and can occur over a short period of time ranging from one minute to the next, or within an hour.

**The climate is tropical:** relative to the equator, it is located between latitudes 10 north and 10 south. It is characterized by high temperatures and heavy rain that falls throughout the year.

**Agriculture or farming:** It is the process of producing food, fodder, fiber and other goods through the systematic breeding of plants and animals.

**Tropical fruits:** They are fruits found in subtropical or tropical climate regions, where there is high temperature and heavy rain throughout the year, which gives them a suitable environment for their growth, as tropical fruits do not tolerate cold, which would expose them to damage or change when the temperature drops below 4 degrees Celsius.