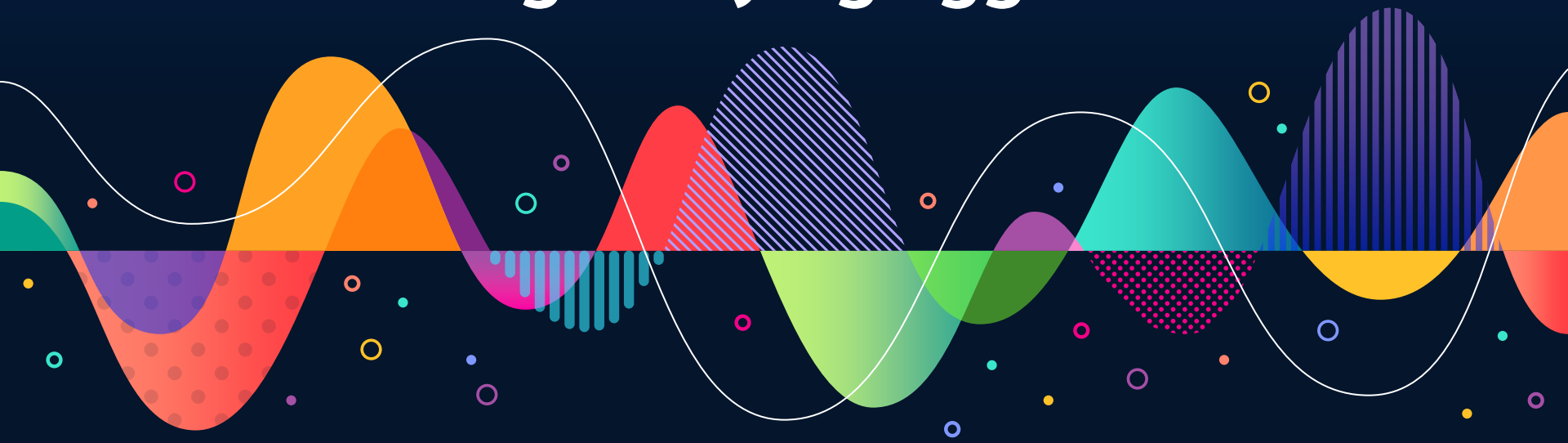
Temperature and relative humidity influencing of laying eggs of ants .



Background and rationale

Naturally, an ant always spawn their eggs in the summer season because the weather is not variant. Therefore, researchers are interested in studying the temperature and relative humidity that influence the laying of red ants.

Research questions

Are temperature and relative humidity affect on laying eggs of ants?

hypothesis

1.The temperature inside is higher than outside an ant nest.

2. The relative humidity inside is higher outside an ant nest.

Research objectives

1) To study a relationship of temperature and relative humidity that effected on the laying eggs of ants.

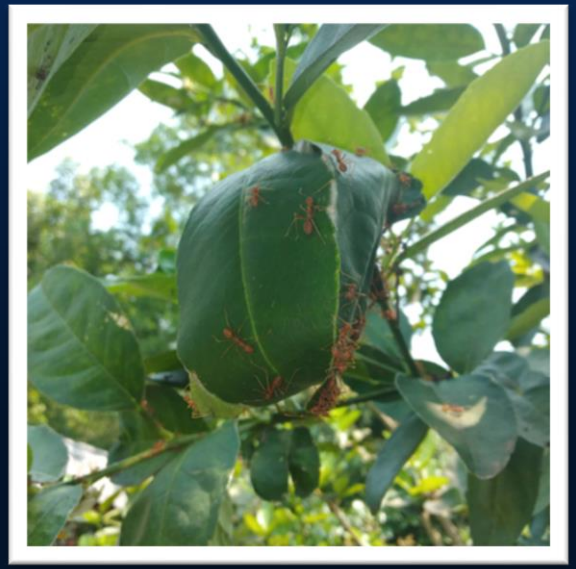
2) To compare between temperature and relative humidity in and out an ant nest.

Definition

1. **Temperature** is the atmospheric condition which is usually hot or cold
2. **Relative Humidity** is the ratio between the volume fraction of water in the air and saturated water. It is percentage of average temperature.
3. **Ant Egg** is the popular food in Northeast, Thailand. It has a high source of protein.

Benefits

- It can be used the information to build an ant artificial nest.
- It can help people who wants to feed an ant for keeping their eggs.



Literature Review

Related documents

- Ants
- Ant Egg
- Temperature and Relative humidity

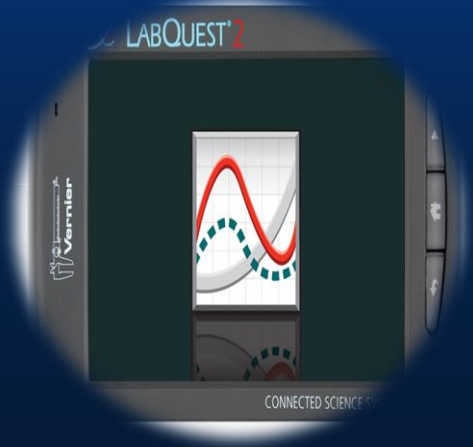
Related research

General characteristics of ants

research method

tool

- Designng of record table
- Study on ant egg
- Start the research
- Data analysis of Temperature and Relative humidity inside and outside nest
- Result



The Results

Table 4.1 Table shows the relationship of temperature and relative humidity that effected on the laying egg of ants.

nest	The type of ant eggs	Temperature inside the nest (°C)	Temperature outside the nest (°C)	Relative humidity inside the nest	Relative humidity outside the nest
1st Nest	chrysalis of ants	27°C	26.5 °C	65.06%	47.79%
2nd Nest	big eggs	21.2°C	21 °C	81.32%	60.87%
3rd Nest	tiny eggs	25.8 °C	26.2 °C	70.81%	44.22%

Discussion

In conclusion, the results show that temperature and relative humidity effected on the laying eggs of ant. However, it needs appropriate temperature and relative humidity inside and outside the ant nests.

Suggestion

1.The results of this study can be applied to next experiments in different areas.
2.It can be compared this in formation with different seasons.

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