Cricket Production Survey in Thailand

Introduction
- Insects as food or edible insects are insect species used for human consumption, whole or as an ingredient in processed food products.
- Insects are nutrient efficient compared to other meat sources.
- Thailand has the largest cricket rearing sector in the Southeast Asia.
- The objective of this study was the investigation of the current state of the cricket sector in Thailand.

Fig.2 Interviewing and collecting information by using questionnaires during 2017-2019

Results
- Three cricket species (Fig.2) rearing in Thailand:
  1. House cricket (*Acheta domestica* L.) (15%)
  2. Two-spotted cricket (*Gryllus bimaculatus* De Geer) (80%)
  3. Ground cricket (*Teleogryllus mitratus* Burmeister, 1838) (5%)
- The main species in the export market is the house cricket.
- The local market is two-spotted cricket.

Fig.3 Location of the cricket farms recording in 17 provinces, Thailand

Highlights
- The most commercial cricket is the two-spotted cricket (*Gryllus bimaculatus* De Geer) (80%).
- The cricket farms are about 20,000 farms mainly in the northeast provinces.
- The farm value of cricket yield is about 37.36 million € in 2019.
- The largest challenges, according to cricket farmers surveyed, are cricket feed, the cricket variety and products development.

Fig.4 Cricket yield and products from farms in Thailand

Methods
- This research was carried out during 2017-2019 by using questionnaires to get information from 150 farmers, and reviewing of publications (Fig.1).
- 150 farmers were visited for recording on species cricket, address, temperature, humidity, size and number of pond, life cycle, weight of cricket yield, problem of cricket rearing, and price/kg of cricket yield (Fig.1).
- To record, analyze data and report results of this survey.

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