



"Status and Prospect of Edible Insects in Myanmar"

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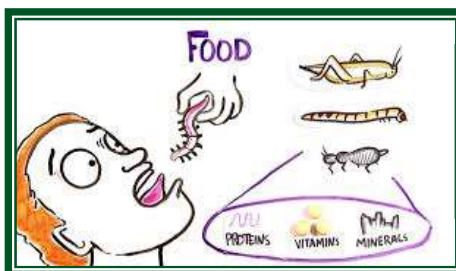
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Background

- In Myanmar, insect eating is common but depends on preference to insect species. Insects are not eaten as regular food but mostly consumed as snack and delicacy.
- Availability of edible insects is seasonal and farming practices and processing technology are under-developed.
- Therefore, production and processing of edible insects are important to open a new chapter for farmers particularly small-holder farmers in Myanmar for their food and feed.

Objectives

- To develop small scale edible insect farming practices
- To record the edible insects in Myanmar



Materials

- Plastic boxes for Rearing
- Aluminum mosquito screening
- Feed (carrot, cabbage, water, oat, shrimp powder, chicken feed)
- Thermometer and hydrometer
- Ash, saw dust, sand
- Insects (cricket)

Methods

- Preparation of rearing box
- Collection of insects
- Pairing and laying eggs
- Hatching and Feeding
- Identification of specimen
- Harvesting

Results

Two species in the study areas:

Field cricket *Gryllus bimaculatus*

Giant cricket *Brachytrupes portentosus*



Gryllus bimaculatus



Brachytrupes portentosus

Common edible insects in Myanmar

- Cricket (adult)
- Bamboo worm (larvae)
- Silk worm (pupae)
- Diving beetle (larvae)
- Bee (larvae)
- Giant water bug (adults)
- Dung beetle (larvae)
- Ants (adults, eggs)
- Cicada (adults)
- Palm weevil larva (sago larva)
- Hornet grub (larvae)

Discussion

- Feasibility of farming crickets must be explored with proper EIA and SIA.
- Understanding ecology of particular edible insect species is required.
- Processing and marketing are essential for safety.

Outlook

- For commercial farming of edible insects may require legal instruments



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