

## Production and Processing of Edible Insects for Improved Nutrition

# “Insect Farming for Food and Feed Security in Myanmar”

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### Background

Edible insects is promising for improving food, feed, and nutrition security in Myanmar.  
Creating a new opportunity for men and women.  
Contribute to household's nutrition and livelihood.

### Objectives

- ✓ To explore the common edible insect farms
- ✓ To improve the feasibility of rearing cricket

### Materials and Methods

#### Studied Areas: 3 Locations

- ✓ Yangon , Shan, Nya Pyi Taw

#### Methods :

- ✓ Personnel interview with (7 insect farmers) and (32 sellers) and (50 consumers)
- ✓ 12 months monitoring of adult emergence and feed preference of cricket

#### Statistical Analysis

Microsoft Excel and SPSS Software

### Results

what kinds of insects are commonly farmed?



Cricket  
Silkworm  
Honeybee  
Sago worm  
Black Soldier Fly  
Super Worm  
Meal Worm

Source:Ko Nyi Nyi Lwin

### Current Situation of Insects Farming

- ✓ Small and initiatives to realize the potential of insects as food and feed.
- ✓ Most edible insects are wild harvested.
- ✓ Rearing of insect depends on species and consumer preference.
- ✓ The most potential insect to rear for food and feed is cricket.

### Insect Markets in Survey Area

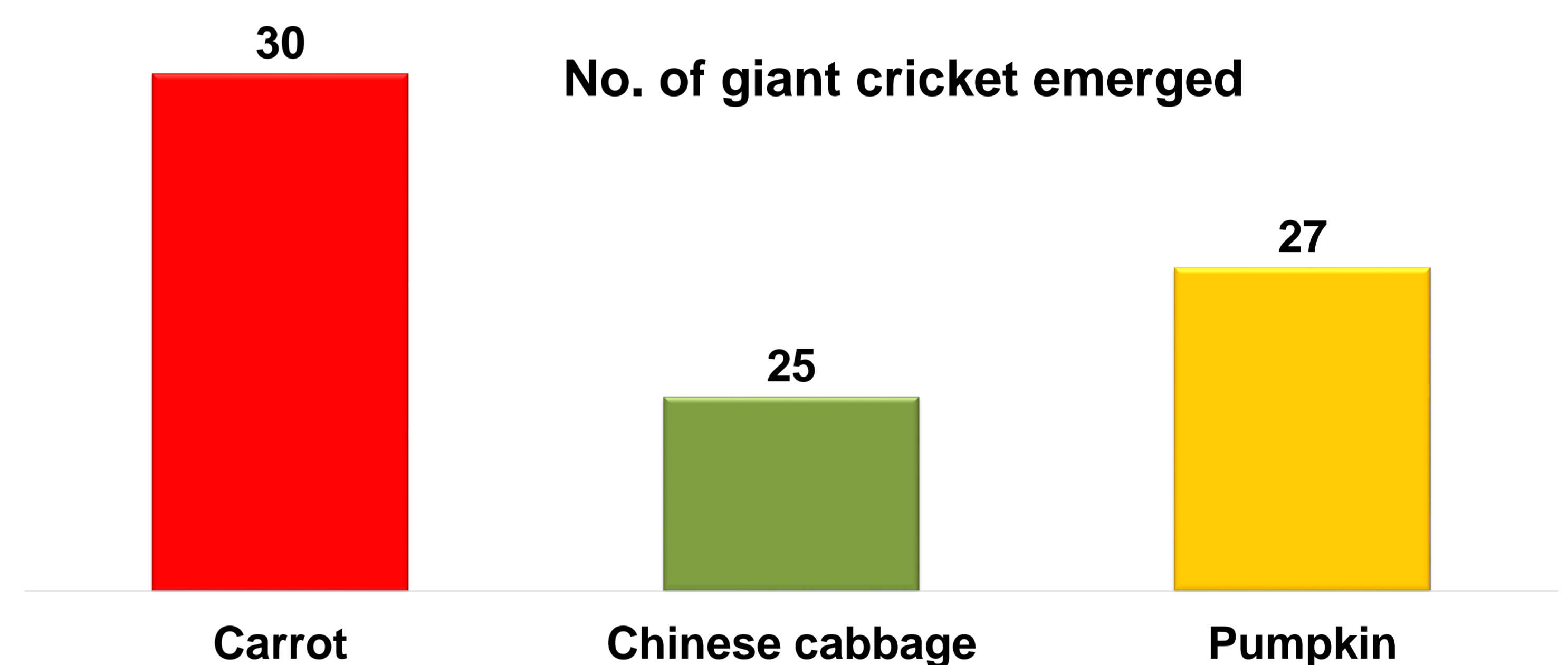


Fig.1 Mean number of adult emerged from different food

### Choice Test

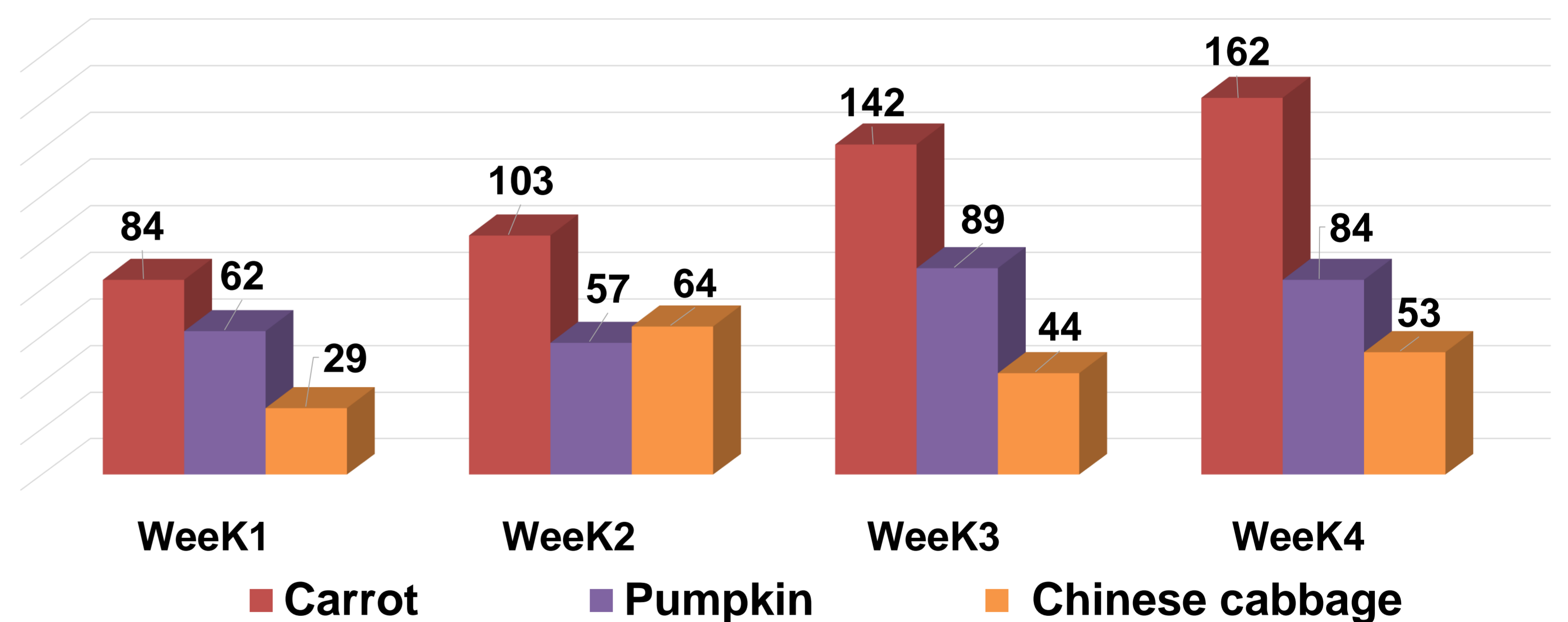


Fig.2. No. of pieces preferentially taken away by *Brachytrupes portentosus* for 24 hours

### Conclusion

- ✓ Technology generation and dissemination for insect farming could be introduced.
- ✓ Sustainable Insect market is need to develop.
- ✓ Value chain of edible insects is required.
- ✓ Commercialization of promising various insects in order of popularity or consumers' preference is urgently needed.

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