# INSECT PESTS OF VEGETABLES

ENT-202 Applied Entomology

# CABBAGE BUTTERFLY

T.N. Pieris brassicae

Family: Pieridae

Order: Lepidoptera

## **IDENTIFICATION**

### Adult

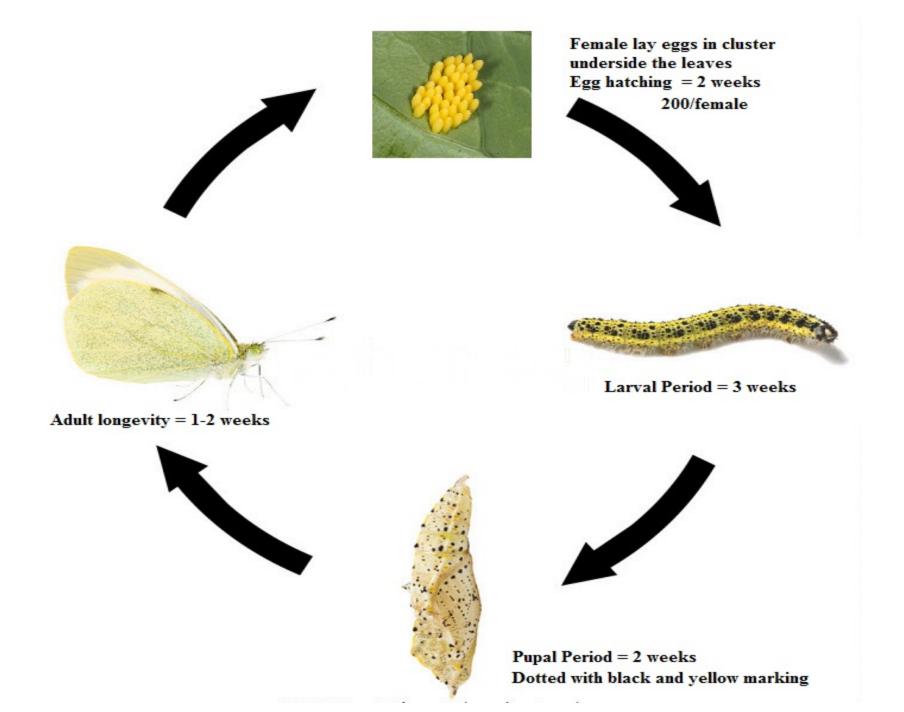
- Large body blackish
- Wings yellowish white with a black patch on apical angle of each forewing
- Female bears two black spots on the upper side of each forewing.

#### Larvae

Larvae are pale yellow or greenish yellow







### DAMAGE

➤ Larvae feed and damage the leaves by making the big holes in them

> Reduce the photosynthetic area of the plant





# CONTROL

- Collection and destruction of egg clusters and larvae
- Catch adults by hand nets
- Apantelese spp. is a larval parasitoid of cabbage butterfly
- Insecticidal spray
- Lufenuron EC 200 ml/acre
- Spinosad SC 80 ml/acre

# RED PUMPKIN BEETLE

**T.N.** Aulacophora foveicollis

Family: Chrysomelidae

Order: Coleoptera

## **IDENTIFICATION**

#### Larvae

Larva yellow-white, head dark-brown

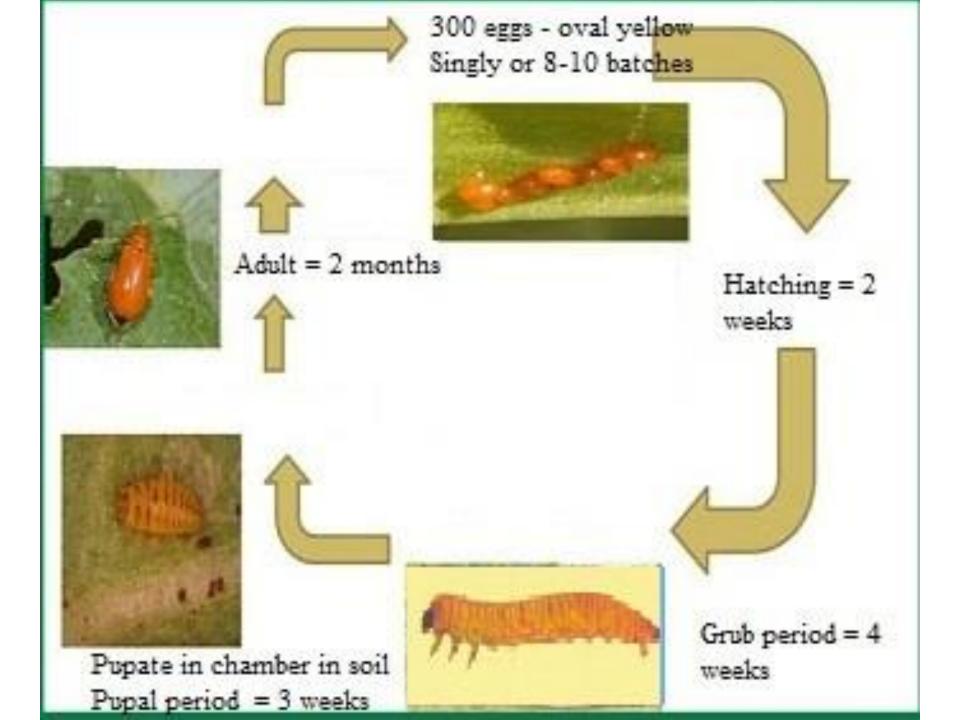


#### Adult

- Adult beetles are oblong
- Dorsal body surface is orange and the ventral surface is black
- Short white hairs are present on the body







### DAMAGE

- Beetles are very destructive to cucurbitaceous vegetables, particularly during March-April when the creepers are very young
- The grubs damage the plants by boring into the roots, leaves, underground stems and sometime in to the fruits touching the soil





# CONTROL

- Deep ploughing to kill grubs in the soil
- Dusting
  - Ash
  - 5% pyrethrum
  - BHC 2.5%
- Insecticidal spray
  - Dimethoate 0.02%
  - Malathion 0.05%