

6.0 Highlights on Good Agricultural/ Hygienic Practices

- Zebra beans produce poor quality liquor
- Zebra beans are possible avenues for fungal infection.
- Strictly observes guidelines on safe use of agrochemicals.
- Indiscriminate use of insecticides should be avoided to prevent pesticides residue accumulation.



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Identification and Management of ANTESTIA BUG (*Antestiopsis Spp*) in Coffee

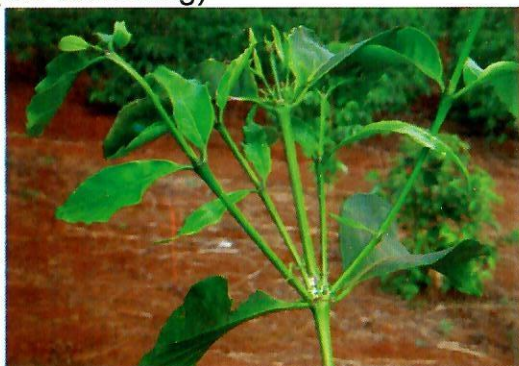


INTRODUCTION

A pest of coffee found in both East and West of Rift valley.

Symptoms

- Blackened flower buds. No flower/fruit set.
- Attacked branches grow side shoots (fan branching)



Fan branching

- Bean bear zebra like stripes



Healthy beans

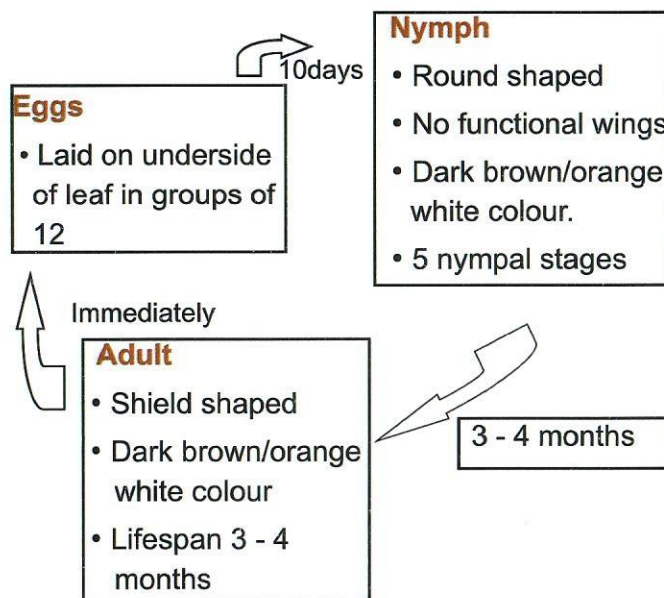


Zebra beans

Alternate hosts

- Can live on shrubs belonging to the same family as coffee (Rubiaceae family)

4.0 Life Cycle



Management

Biological

- There are naturally occurring parasitic wasps which attack Antestia eggs.
- Attacked eggs are black while normal eggs are white.

Cultural

- Avoid delayed pruning and desuckering

Chemical

- Chemical control is recommended when the Economic Injury Level (EIL) has reached 2 bugs in East of the Rift and 1 bug in the West of the Rift .

Spray with either;

- 15 ml Fenitrothion 50 % ML in 20 lt of water
- 15 ml Fenthion 50 % ML in 20 lt of water
- 15 ml Dursban 48 % EC in 20 lt of water
- 20 ml Nurelle D 38.5 % in 20 lt of water
- 5 ml Sumicombi 6 % in 20 lt of water
- 17g Trichlorphon 80%WP
- 15 ml Tata Alpha 10EC in 20 lit of water
- 10ml Thunder 145OD in 20ml of water
- 30 ml Birlane 24% EC in 20 lt of water
- 14 ml Ranger 48 EC in 20 lt of water
- 14 ml Robust 48 EC in in 20 lt of water
- 15 ml Cyrene 480 EC in 20 lt of water
- 15 ml Pyrethrum 6 % EC in 20 lt of water
- 15 ml Tata alpha 1 % EC in 20 lt of water
- 5 g Methomyl 900 SP in 20 lt of water
- 10 ml Sharq 36.25 EC in 20 lt of water
- 6 ml Twiga ace 200 SL in 20 lt of water
- 15 ml Ambush 50 EC in 20 lt of water