

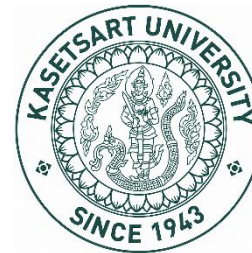
Pest Insects and Management in Teak Plantations, India



TV Sajeer
Chief Scientist



Federal Ministry
of Agriculture, Food
and Regional Identity



WELCOME TO
CONOLLY'S PLOT

WORLD'S OLDEST MAN MADE TEAK PLANTATION



Why Teak?

Insects associated with the Teak tree

Type of damage	Number of insects
Leaf feeders	137
Sap feeders	16
Shoot/Stem feeders	14
Root feeders	5
Seed feeders	3
Total	175

Pests of the Teak tree

Defoliators

Teak Defoliator

Hyblaea puera (Cramer)

Teak Skeletonizer

Eutectona machaeralis (Walker)

Shoot Borers

Teak Trunk Borer

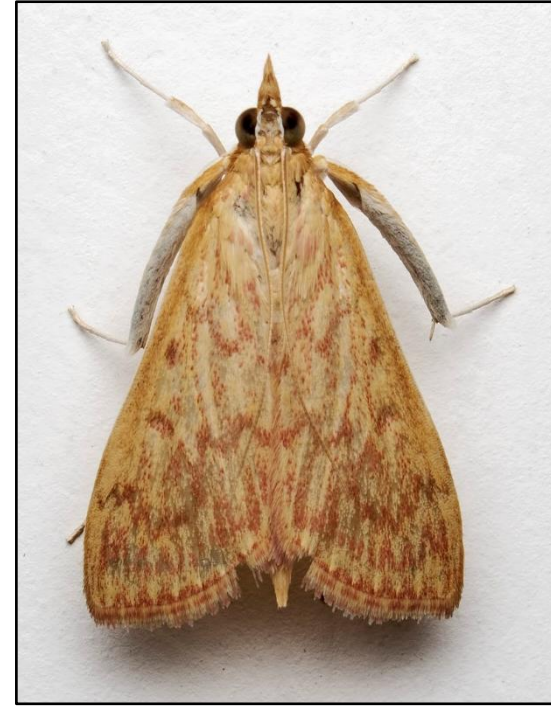
Alcterogystia cadambae (Moore)

Dervishiya cadambae

Teak Sapling Borer

Sahyadrassus malabaricus (Moore)

Teak Skeletonizer *Eutectona machaeralis* (Walker)



Management method : Not needed



Teak Sapling Borer

Alcterogystia cadambae
(Moore)

Dervishiya cadambae



**Management method : Spot application of
Chlorpyrifos**

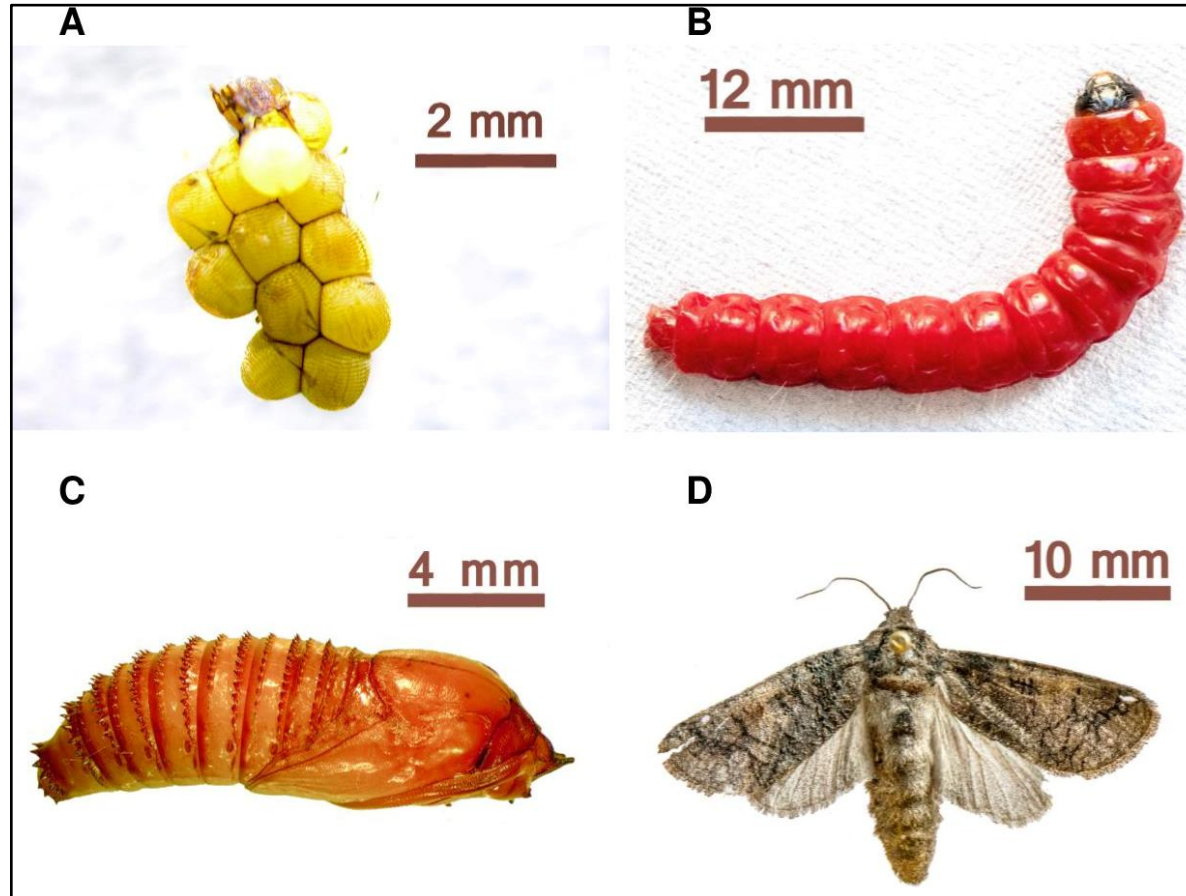
Teak Trunk Borer

Cossus cadamabe (Moore)



Teak Trunk Borer

Cossus cadamabe (Moore)



Management method : None

Teak Defoliator

Hyblaea puera
(Cramer)









Hyblaea puera Nuclear Polyhedrosis Virus infected larva

HpNPV

Absolutely Target specific

Horizontal transmission

Vertical Transmission

Development of the Biopesticide

1. Deciphering population dynamics- Temporal and Spatial

2. Construction of Life Table

3. Studies on Natural Mortality factors

Predators

Parasites

Pathogens

4. Formulation and field trials

Pests are made, not born.

When managing them, work with nature.

Thank you