



SERICULTURE 1

Types of silk moths

5th SEM (general) SEC

TYPES OF SILK WORMS

- **Mainly two types:-** (depending on their feeding pattern)

- Mulberry silk moth

- Non mulberry silk moth – Three types- Eri , Tasar moth and Muga moth.

Cultivation places in India-

Name of the silk worm	Cultivation place
1.Mulberry Silk	Karnataka, Kashmir, Andhra Pradesh, West Bengal, Tamil Nadu, Punjab, Uttar Pradesh
2. Eri Silk	Assam, West Bengal, Bihar, Orissa
3. Tasar Silk	Assam, Madhya Pradesh, West Bengal, Bihar, Andhra Pradesh, Punjab, Tamil Nadu
4. Muga Silk	Assam, Arunachal Pradesh, Meghalaya

DIFFERENT TYPES OF SILKWORMS AND THEIR FOOD PLANTS

• Types	Local name	Food Plant
• Bombyx mori L	Mulberry Silkworm	Morus Spp.
• Antheraea mylitta	Tassar	Terminalia tomentosa (Asan) Terminalia arjuna(Arjun)
• Philosamia ricini	Eri	Ricinus communis (Castor)
• Antheraea assama	Muga	Machilas bombycina (Som) Litsaea Polyantha (Soalu)

Adult Silk moth (*Bombyx mori*)

Phylum – Arthropoda
Class – Insect
Sub class – Pterygota
Division – Endopterygota
Order – Lepidoptera
Super family – Bombycoidea
Family - Bombycidae



Silk worm larvae – these are monophagous and feed only on mulberry leaves



Mulberry plant



Adult Eri silk worm(*Philosamia ricini*)



Phylum – Arthropoda
Class – Insect
Sub class – Pterygota
Division – Endopterygota
Order – Lepidoptera
Super family – Bombycoidea
Family – Saturniidae

Eri larvae



The larva is polyphagous and feeds on

Castor – *Ricinus communis*

Kesseru - *Heteropanax fragrans*

Tapioca - *Manihot utilissima*

Papaya - *Carica papaya*

Champa – *Plumeria acutifolia*

Barkesseru - *Alianthus spp.*

Payam – *Evodia flaxinifolia.*

Main food plants for Eri moth larva



Tapioca - Food Plant for Eri Silkworm

Tapioca - *Manihot utilissima*



Castor – *Ricinus communis*

Tasar silk worm(*Antheraea mylitta*)

Phylum – Arthropoda
Class – Insect
Sub class – Pterygota
Division – Endopterygota
Order – Lepidoptera
Super family –Bombycoidea
Family - Saturniidae



Tasar moth larva



The larvae are polyphagous and mainly feeds on –

Asan – *Terminalia tomentosa*

Arjun – *Terminalia arjuna*

Sal – *Shorea robusta*

Ber – *Zizyphus zuzuba*

Sidha - *Lagerstroemia parviflora*

Kumbi- *Careya arborea*

Jamun – *Syzygium cumini*

Teak - *Tectona grandis*

Australian babul – *Acacia auriculeiformis*

Food plants for Tasar silk moth larva

Asan



Terminalia tomentosa

Arjun



Terminalia Arjuna
ANURVEDIC REMEDIES

Muga moth, larva and cocoon



Phylum – Arthropoda
Class – Insect
Sub class – Pterygota
Division – Endopterygota
Order – Lepidoptera
Super family –
Bombycoidea
Family -Saturniidae

Muga silk worm larva feeds on these plants-



Som – *Machilus bombycina*



Solu - *Litsaea citrata*