

**Ex No: 16**

**Date**

**IDENTIFICATION OF DIFFERENT NON-INSECT PESTS:  
VETERINARY INSECT PESTS**

**Objective:**

To study the characteristics and nature of damage of different non-insect pests *viz.*, veterinary insect pests

**I. Cattle Pests**

**1. The horse fly *Tabanus striatus***

Order: Diptera

Family: Tabanidae

- Has a thick set body, large head and big eyes

**2. The cattle fly *Hippobosca maculata***

Order: Diptera)

Family: Hippoboscidae

- Horny or leathery flies
- Have long and stout legs with well developed tarsal claws for clinging to host's hair

**3. The blood sucking fly *Siphona exigua***

Order: Diptera)

Family: Muscidae

- Yellowish-grey
- Proboscis slender and projects downwards
- At rest, wings are held at an angle

**II. Fowl Pests**

**1. The shaft louse *Menopon gallinae***

Order: Mallophaga

Family: Menoponidae

- Dorso-ventrally flattened and wingless
- 1.5mm in length with biting mouth parts

**2. The body or vent louse *Menacanthus stramineus***

Order: Mallophaga  
Family: Menoponidae

- The antennae are club shaped and mostly concealed beneath the head.
- The female chicken body louse is yellowish, and each leg has two tarsal claws.
- The abdomen is elongated, broadly rounded posteriorly, and has two or more transverse rows of hairs on most dorsal plates.

**3. The chicken flea *Echidnophaga gallinacean***

Order: Siphonaptera  
Family: Tungidae

- It is a minute, flat, dark brown insect remaining attached to the host with its
  - head embedded in to the skin.

**III. Sheep and goat**

**1. The head maggot of sheep *Oestrus ovis***

Order: Diptera  
Family: Oestridae

- The sheep nasal bot fly is a stout, grayish-brown fly covered with short hairs.
- Adult *Oestrus ovis* have black pits dorsally between the eyes on the frons and black tubercles among the yellow hairs on the yellow-brown scutum and scutellum.
- The abdomen is black with an irregular pattern of lighter marking which varies with the angle of illumination.

**2. The sheep ked *Melophagus ovinus***

Order: Diptera  
Family: Hippoboscidae

- It is a wingless, leathery, hairy fly which attacks the sheep

**3. The biting louse *Bovicola ovis***

Order: Mallophaga  
Family: Trichodectidae

- The sheep body louse is a pale yellow insect 1.5–2 mm long with brown transverse stripes on the abdomen and a broad, red-brown head
- Males are smaller than females and have more pointed abdomens.

**Record Work:**

Draw neatly labeled diagrams of different non-insect pest's viz., house hold and veterinary insect pests from the charts /photographs given