

Larva : Hairy caterpillar with brown head. Yellow lines on the dorsal and dorso-lateral side with black stripes and orange patches. Body has long brownish hairs arising on warts.

Pupa: Pupates in the soil.

Adult: Red and black spots on the white forewings.

**2. Hairy caterpillar**, *Argina cribraria*, *Argina syringa*, Hypsidae, Lepidoptera

Symptom of damage: Defoliation.

Nature of damage: Larvae feeds on the leaves.

Egg: Yellowish eggs laid in clusters on the undersurface of the leaves.

Larva : Hairy caterpillar with black transverse markings and white spots.

Pupa: Pupates on the plant or the surface of the soil.

Adult: *A. cribraria* has black spots on yellowish wings. *A. syringa* has black spots on reddish brown wings.

**3. Flea beetle**, *Longitarsus belgamensis*, Alticidae, Coleoptera

Nature of damage: Adult makes minute holes on leaves, grub feeds on the roots by mining.

Egg: Laid in soil.

Grub : Yellowish grub.

Pupa: Pupates in earthen cells in the soil.

Adult: Yellowish brown small beetle with enlarged hind femur.

**4. Sunhemp mirid**, *Ragmus importunitas*, Miridae, Hemiptera

Symptom of damage: Minute chlorotic spots, later coalescing to cause yellowing of leaves.

Nature of damage: Nymphs and adults suck the sap from tender leaves and shoots and cause yellowing of leaves and in severe attack, death of plants.

Egg: Eggs laid singly into plant tissue.

Adult: Greenish bug.

5. Stem borer, *Enarmonia tricenra*, Eucosmidae, Lepidoptera

6. *Etiella zinckenella*

## FORAGE CROPS

### LUCERNE

**1. Spotted alfalfa aphid**, *Therioaphis maculata*, Aphididae, Hemiptera

Nature of damage: Nymph and adult suck the sap.

Adult: Yellow coloured aphids with series of spots.

**2. Lucerne weevil**, *Hypera variabilis*, Curculionidae, Coleoptera

Symptom of damage: Leaves with irregular holes. Affected plants remain stunted.

Nature of damage: Grub and adult cause the damage.

### SUBABUL

**1. Jumping lice**, *Heteropsylla cubana*, Psyllidae, Hemiptera

Symptom of damage: Wilting of growing shoots resulting in die back; plants unable to put forth new growth. Honeydew deposition and sooty mould development.

Nature of damage: Nymph and adult cause the damage.

Nymph : Minute yellow. Adult: Pale greenish yellow.