

3. Gram blue butterfly, *Euchrysops (Catochrysops) cnejus*, Lycaenidae, Lepidoptera

Symptom of damage: Presence of regular, big, circular borehole on the flowers and pods. Presence of flat slug like green coloured larva on affected flowers or young pods. Black ants hovering around the plants.

Nature of damage: Larva bores into the buds, flowers and green pods and feeds inside the developing grains.

Egg: Laid on flower buds, green pods, shoots and leaves.

Larva: Flat, slug like, green or yellowish green, red coloured mid stripe and few hairs.

Pupa: Pupates in soil or on the plants

Adult: Blue coloured butterfly having five black spots on the dorsal surface of the hind wing and two black spots on the ventral surface.

4. Plume moth, *Exelastis atomosa*, Pterophoridae, Lepidoptera

Symptom of damage: Pods are scrapped in the early stages, later boreholes seen on the pods and seeds eaten away.

Nature of damage: Young larvae bore into the unopened flower buds for consuming the developing anthers. Grown up larvae first scrap the surface of the pods and then bore into pods. The larvae never enter the pod completely.

Egg: Minute eggs laid singly on young pods, flower buds or tender leaves.

Larva: Full-grown caterpillar is 1.3 cm in length, greenish-brown in colour and fringed with hairs and spines.

Pupa: Pupates on the pod surface or in the entrance hole itself. Pupa looks like larva.

Adult: It is lightly built and light brown in colour, wings deeply fissured, the forewings longitudinally cleft into two plumes and hind wings into three plumes. Forewings are extremely elongate. Legs are long and slender. Abdomen is dark-brown in colour.

5. Spotted pod borer, *Maruca testulalis*, Pyraustidae, Lepidoptera

Symptom of damage: Presence of semi-solid excreta at the junction of the borehole. Young shoot with dried tip, large scale dropping of flowers. Larva present inside the webbing of leaves, flowers and young pods, faecal material accumulates outside the borehole.

Nature of damage: It feeds on the seeds by boring into the pods.

Egg: Laid on or near the flower buds.

Larva: Light green with brown head and four pairs of black warts present on the dorsal surface of each segment, which form four black longitudinal lines on the body with short dark hairs.

Pupa: Pupates inside the affected pods or leaf fold in a thin silken cocoon. Pupa is yellow with greenish body.

Adult: Dark brown with a white cross band in the middle of the forewings and the hind wings are white with a darker border.