

Symptom of damage: Shot holes in the leaves of young plants.

Nature of damage: Adult bites and makes holes in the leaves of young plants and affects their vigour both in the nursery and in the young transplanted crop.

Adult: Dark blue beetle with enlarged hind femur.

6. Wingless grasshopper, *Neorthacris simulans*, Acrididae, Orthoptera

Symptom of damage: Defoliation.

Nature of damage: Nymph and adult defoliate the crop.

Adult: Greenish brown colour with a red stripe on the sides; without wings.

7. Aphid, *Schizaphis graminum*, Aphididae, Hemiptera

Symptom of damage: Yellowing of leaves and presence of ants.

Nature of damage: Nymph and adult suck the sap.

Adult: Greenish yellow aphids.

8. Aphid, *Hysteroneura setariae*, Aphididae, Hemiptera

Symptom of damage: Presence of colonies of aphids on leaves and ears.

Nature of damage: Nymph and adult suck the sap.

Adult: Brown coloured aphids.

9. Whitegrub, *Holotrichia consanguinea*, Melolonthidae, Coleoptera

Symptom of damage: Death of grown up plants. Leaves and tender shoots nibbled.

Nature of damage: Grub feed on the root and rootlets, results in the death of the plants.

Adults nibble on the leaves and tender shoots. They can move under soil, thus can migrate from one plant to another.

10. Root aphid, *Tetraneura nigriabdominalis*, Aphididae, Hemiptera

Symptom of damage: Wilting and drying of plants in patches. Presence of black ants, *Camponotus compressus*, around the base of the plants.

Nature of damage: Nymph and adult attack underground parts of the plants, they suck sap from roots. Plants become weak and may wilt.

Nymph and Adult: Pinkish globular aphids.

11. Aphid, *Rhopalosiphum maidis*, Aphididae, Hemiptera

12. Ash weevil, *Myloccerus* spp., Curculionidae, Coleoptera

MAIZE

1. Stem fly, *Atherigona orientalis*, Muscidae, Diptera

Symptom of damage: Dead heart.

Nature of damage: Maggot.

Adult: Small grey coloured fly.

2. Corn worm/ Earworm, *Helicoverpa armigera*, Noctuidae, Lepidoptera

Symptom of damage: Damage on grains and presence of broken grains in the earhead.