



Potato Pests

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Pests of National Significance

Insect pests

- **Aphids:** *Myzus persicae* Sulzer and, *Aphis gossypii* Glover (Hemiptera: Aphididae)
- **Potato tuber moth:** *Phthorimaea operculella* Zeller (Lepidoptera: Gelechiidae)
- **Jassids/ leaf hoppers:** *Amrasca devastans* Dist. and *Empoasca fabae* Harris (Hemiptera: Cicadellidae)
- **Whitefly:** *Bemisia tabaci* Gennadius (Hemiptera: Aleyrodidae)

Nematode

- **Root-knot nematode:** *Meloidogyne* sp.

Diseases

- **Late blight:** *Phytophthora infestans* (Mont.) de Bary
- **Black scurf:** *Rhizoctonia solani* J.G. Kühn
- **Leaf spot complex:** *Alternaria* sp, *Phoma* sp.
- **Septoria leaf spot:** *Septoria lycopersici* var. *malagutii* Ciccarone & Boerema
- **Early blight:** *Alternaria solani* Sorauer
- **Common scab:** *Streptomyces scabies* Lambert and Loria
- **Bacterial wilt:** *Ralstonia solanacearum* Smith
- **Viral diseases :** (Potato virus X, S, Y and Potato leaf roll virus)

Weeds

Kharif

Broadleaf

- **Pigweed:** *Amaranthus viridis* Hook. F. (Amaranthaceae)
- **Swine cress:** *Coronopus didymus* (L.) Sm. (Brassicaceae)
- **Black nightshade:** *Solanum nigrum* L. (Solanaceae)
- **Common purselane:** *Portulaca oleracea* L. (Portulacaceae)
- **False amaranth:** *Digera arvensis* Forsk. (Amaranthaceae)

Grasses

- **Rabbit/ crow foot grass:** *Dactyloctenium aegyptium* (L.) Beauv. (Poaceae)
- **Crabgrass:** *Digitaria sanguinalis* (L.) Willd. (Poaceae)
- **Barnyard grass:** *Echinochloa crusgalli* (L.) Beauv. (Poaceae)

Sedges

- **Purple nutsedge:** *Cyperus rotundus* L. (Cyperaceae)
- **Flat sedge:** *Cyperus iria* L. (Cyperaceae)

Rabi

Broadleaf

- **Lamb's quarter:** *Chenopodium album* L. (Chenopodiaceae)
- **Scarlet pimpernel:** *Anagallis arvensis* L. (Primulaceae)

- **Sweet clover:** *Melilotus indica* (L.) All. (Fabaceae)
- **Fine leaf fumitory:** *Fumaria parviflora* Lam. (Fumariaceae)
- **Corn spurry:** *Spergula arvensis* L. (Caryophyllaceae)
- **Goat weed:** *Ageratum conyzoides* L. (Asteraceae)
- **Rough medic:** *Medicago denticulata* Willd (Fabaceae)
- **Broad leaf wood sorrel:** *Oxalis latifolia* Kunth. (Oxalidaceae)
- **Horse purslane:** *Trianthema portulacastrum* L. (Aizoaceae)
- **Onion weed:** *Asphodelus tenuifolius* Cav. (Liliaceae)
- **Field bindweed:** *Convolvulus arvensis* L. (Convolvulaceae)

Grasses

- **Blue grass:** *Poa annua* L. (Poaceae)
- **Canary grass:** *Phalaris minor* Retz. (Poaceae)

Rodent and non-rodent vertebrate pests

- **Lesser bandicoot:** *Bandicota bengalensis*
- **Indian creased porcupine:** *Hystrix indica*
- **Wild boar:** *Sus scrofa*

Pests of Regional Significance

Insect and mite pests

- **Cut worm:** *Agrotis segetum* Denis & Schiffer müller (Lepidoptera: Noctuidae) (Tripura, Gujarat, Himachal Pradesh)
- **White grub:** *Lachnosterna longipennis* Blanchard and *L. coracea* (Coleoptera: Scarabaeidae)(Himachal Pradesh, Uttar Pradesh)
- **Leafminer:** *Liriomyza huidobrensi* Blanchard (Diptera: Agromyzidae)
- **Spider mites:** *Polyphagotarsonemus latus* Banks (Acarina: Tarsonemidae) (Maharashtra, Karnataka, Orissa)
- **Thrips:** *Thrips* sp (Hemiptera: Aphididae) (Orissa)
- **Tobacco caterpillar:** *Spodoptera litura* Fabricius (Lepidoptera: Noctuidae) (Uttar Pradesh, Karnataka)
- **Leaf eating caterpillar/gram pod borer:** *Helicoverpa armigera* Hübner (Lepidoptera: Noctuidae) (Punjab, Haryana, Himanchal Pradesh)
- **Semi looper:** *Trichoplusia ni* Hübner (Lepidoptera: Noctuidae) (Haryana, Himanchal Pradesh)

Diseases

- **Potato spotted wilt virus** (Karnataka)
- **Charcoal rot:** *Macrophomina phaseolina* (Tassi) Goid. (Himachal Pradesh, Delhi, Bihar, Madhya Pradesh, Assam, Central provinces, Punjab, Uttar Pradesh)

- Madhya Pradesh, Assam, Central provinces, Punjab, Uttar Pradesh)
- **Potato spindle tuber viroid** (PSTVd) (Himachal Pradesh, Bihar)
 - **Pink rot:** *Phytophthora erythroseptica* Pethybr. (Himachal Pradesh)
 - **Soft rot:** *Erwinia carotovora* Winslow (Delhi)
 - **Black heart (disorder):** Acute oxygen deficiency

Nematodes

- **Golden nematode:** *Globodera rostochinensis* (Wollenweber) (Tamil Nadu)
- **Potato cyst nematode:** *Globodera pallida* (Stone) (Tamil Nadu, Kerala)

Rodent

- **Indian porcupine:** *Hystrix indica* Kerr

IPM for Potato

To know the IPM practices for Potato, [click here](#) .

Source: [NIPHM](#) , and [Directorate of Plant Protection, Quarantine & Storage](#) 

Source: https://data.vikaspedia.in/short/lc?k=9FdP5aKAL_FzZVEJt4WdiQ

