

Phylum: Nematodes – Nematelminthes
Class: Roundworms– Nematoda
Subclass: Secernentia
Order: Thylenchida

Family: Gall-forming nematodes– Anguinidae

Wheat (seed) gall nematode – Anguina tritici
Potato rot nematode – Ditylenchus destructor
Stem nematode – Ditylenchus dipsaci

Family: Heteroderidae

Yellow potato cyst nematode – Globodera (Heterodera) rostochiensis

Family: Root-knot nematodes – Meloidogynidae

Northern root-knot nematode – Meloidogyne hapla
Southern root-knot nematode – Meloidogyne incognita

Phylum: Arthropoda
Class: Insecta
Order: Orthoptera
Suborder: Long-horned orthopterans (crickets, katydids)-Ensifera

Family: Mole crickets-Gryllotalpidae

European mole cricket – Gryllotalpa gryllotalpa

Order: Thrips – Thysanoptera
Suborder: Terebrantia

Family: Thripidae

Onion thrips – Thrips tabaci
Western flower thrips – Frankliniella occidentalis

Order: True bugs – Heteroptera

Family: Shield-backed bugs - Scutelleridae

Sunn pest– Eurygaster austriaca

Family: Stink bugs– Pentatomidae

Wheat stink bug-Aelia spp.
Southern green stink bug -Nezara viridula

Family: Capsid bugs (Plant bugs)– Miridae

Alfalfa bug – Adelphocoris lineolatus
(European) tarnished plant bug – Lygus rugulipennis

Order: Homoptera

Suborder: Planthoppers-Auchenorrhyncha

Family: Fulgoroid planthoppers-Flatidae

(Citrus) flatid planthopper [frosted moth-bug] -Metcalfa pruinosa

Suborder: Sternorrhyncha

Family: Whiteflies – Aleyrodidae

Greenhouse whitefly – Trialeurodes vaporariorum

Family: Phylloxerans (root aphids)- Phylloxeridae

Grapevine phylloxera – Viteus vitifolii

Family: Woolly aphids – Pemphigidae

Woolly apple aphid – Eriosoma lanigerum

Family: True aphids– Aphididae

Green peach aphid – Myzus persicae
Black bean aphid – Aphis fabae
Black cherry aphid – Myzus cerasi
Pea aphid – Acyrtosiphon pisum

Family: Armoured scales – Diaspididae

San Jose scale – Quadraspidiotus perniciosus

Order: Beetles– Coleoptera
Suborder: Adephaga

Family: Ground beetles– Carabidae

Cereal ground beetle – Zabrus tenebrioides

Suborder: Polyphaga

Family: Click beetles– Elateridae

Wireworms– Agriotes spp.

Family: Ladybugs (ladybirds)– Coccinellidae

24-spot ladybird – Subcoccinella vigintiquatuorpunctata

Family: Cockchafers– Melolonthidae

Anisoplia spp.
Common cockchafer – Melolontha melolontha

Family: Leaf beetles– Chrysomelidae

Cereal leaf beetle – Lema (=Oulema) melanopus
Western corn rootworm – Diabrotica virgifera virgifera.
Colorado potato beetle – Leptinotarsa decemlineata
Lucerne leaf beetle – Phytodecta fornicata

Family: Seed weevils– Bruchidae

Pea weevil – Bruchus pisorum
Bean weevil – Acanthoscelides obtectus

Family: True weevils– Curculionidae

Alfalfa snout beetle – Otiorrhinchus ligustici
Pea leaf weevils – Sitona spp.
Black beet weevil – Psalidium maxillosum
Beet leaf weevil – Tanymecus palliatus
Maize leaf weevil – T. dilaticollis
Wheat weevil – Sitophilus granarius

Order: Lepidoptera
Suborder: Glossata

Family: Clothes moth (tineid moth)– Tineidae

European grain moth – Nemapogon granellus

Family: Twirler moths – Gelechiidae

Peach twig borer – Anarsia lineatella
Angoumois grain moth – Sitotroga cerealella
Tomato leaf miner -Tuta absoluta

Family: Tortrix moths (leafroller moths) – Tortricidae

Codling moth – Laspeyresia (=Grapholitha, Cydia, Enarmonia) pomonella
Plum fruit moth – Grapholitha (=Laspeyresia) funebrana
Oriental fruit moth – Grapholitha molesta
European grapevine moth – Lobesia botrana

Family: Cochyliidae

European grape berry moth – Eupoecilia ambiguella

Family: Pyraustidae

European corn borer – Ostrinia nubilalis

Family: Phycitidae

Indian meal moth – Plodia interpunctella
Pea pod borer – Etiella zinckenella
European sunflower moth – Homoeosoma nebulellum

Family: Owlet moths– Noctuidae

Turnip moth – Scotia (=Agrotis) segetum
Cabbage moth – Mamestra brassicae
Silver Y moth – Autographa gamma
Cotton bollworm – Helicoverpa armigera

Family: Erebid moths– Arctiidae

Fall webworm – Hyphantria cunea

Order: True flies– Diptera

Suborder: Brachycera

Family: Fruit flies– Tephritidae

European cherry fruit fly – Rhagoletis cerasi
Eastern cherry fruit fly -Rhagoletis cingulata

Family: Vinegar flies (pomace/fruit flies) -Drosophilidae

Spotted-wing drosophila - Drosophila suzukii

Order: „Membrane-winged“-Hymenoptera

Suborder: Sawflies – Symphyta

Family: Common sawflies– Tenthredinidae

Black plum sawfly – Hoplocampa minuta

Suborder: Stinging wasps– Aculeata

Family: Social wasps– Vespidae

German wasp [yellow jacket] – Paravespula germanica

Class: Arachnoidea

Order: Mites– Acariformes

Family: Gall mites– Eriophyidae

Grape bud mite – Eriophyes vitis
Grapevine leaf rust mite – Calepitrimerus vitis

Family: Spider mites– Tetranychidae

Two-spotted spider mite – Tetranychus urticae
European red mite – Panonychus ulmi

Family: Grain mites (flour mites)-Tyroglyphidae

Flour mite – Acarus siro