# Exotic pests and diseases

The Plant Biosecurity Act 2010 provides that the Governor in Council may by order declare any disease of plants or plant products caused by any bacterium, fungus, protozoa, phytoplasma, virus, viroid or other organism to be an exotic disease. The Act further provides that the Governor in Council may by order declare any centipede, eelworm, insect, millipede, mite, scorpion, slug, snail, spider or invertebrate animal to be an exotic pest. A list of exotic pests and diseases is provided below.

Exotic pests and diseases are considered to be those that are not found in Victoria or, where found in Victoria, are the subject of a containment, control or eradication program. They must also be considered to be a serious threat to agricultural and horticultural industries.

Pests and diseases must be declared as exotic before any subsequent declarations are made under the Act enabling the prevention or prohibition of entry of the pest or disease into Victoria, or actions to eradicate or control the pest or disease if detected in Victoria.

## Pests

| Scientific name | Common name |
| --- | --- |
| Pests |  |
| *Acrobasis pyrivorella* (Mastumura) | pear fruit moth |
| *Agrilus planipennis* Fairmaire | emerald ash borer beetle |
| *Agrilus* spp. (exotic species) | varicose borers |
| *Acrogonia citrina* Marucci & Cavichioli |  |
| *Acrogonia terminalis* Young |  |
| *Agrotis segetum* (Denis & Schiffermüeller) | turnip moth |
| *Aleurodicus dispersus* (Russell) | spiralling whitefly, coconut whitefly |
| *Amyelois transitella* (Walker) | navel orangeworm |
| *Anastrepha fraterculus* (Weidermann) | South American fruit fly |
| *Anastrepha ludens* (Loew) | Mexican fruit fly |
| *Anoplolepis gracilipes* (Smith) | crazy ant |
| *Anoplophora chinensis* (Forster) | black and white longhorn, citrus-root cerambycid , citrus longhorn, citrus longhorned beetle, white spotted longicorn beetle |
| *Anoplophora glabripennis* (Motschulsky) | Asian longhorned beetle, Asian long-horn beetle, basicosta white-spotted longicorn beetle, starry sky beetle |
| *Anoplophora malasiaca* (Thomson) | white-spotted longicorn beetle |
| *Apamea anceps* (Denis & Schiffermüller) | grey grain moth |
| *Aphis fabae* (Scopoli) | bean aphid, black bean aphid blackfly |
| *Apion clavipes* (Gerstaecker) | seed weevil |
| *Apion virens* (Herbst) | clover weevil |
| *Apriona germani*  Hope | brown mulberry longhorn beetle |
| *Arhopalus ferus tristis* (Fabricius) | burnt pine longicorn |
| *Atherigona soccata* Rondani | sorghum shoot fly |
| *Bactericera cockerelli* (Sulc) | potato/tomato psyllid |
| *Bactericera trigonica* Hodkinson |  |
| *Bactrocera albistrigata* (de Meijere) | white striped fruit fly |
| *Bactrocera carambolae* Drew & Hancock | carambola fruit fly |
| *Bactrocera correcta* (Bezzi) | guava fruit fly |
| *Bactrocera cucurbitae* (Coquillet) | melon fly |
| *Bactrocera dorsalis* (Hendel) | oriental fruit fly |
| *Bactrocera invadens* Drew, Tsuruta & White | fruit fly |
| *Bactrocera kirki* (Froggatt) | Fijian fruit fly |
| *Bactrocera latrifrons* (Hendel) | solanum fruit fly |
| *Bactrocera minax* (Enderlein) | Chinese citrus fly |
| *Bactrocera occipitalis* (Bezzi) | fruit fly |
| *Bactrocera oleae* (Gmelin) | olive fly, olive fruit fly |
| *Bactrocera papayae* (Drew & Hancock) | papaya fruit fly |
| *Bactrocera philippinensis* (Drew & Hancock) | no common name |
| *Bactrocera trivialis* (Drew) | no common name |
| *Bactrocera tryoni* (Froggatt) | Queensland fruit fly |
| *Bactrocera tsuneonis* (Miyake) | Japanese orange fly |
| *Bactrocera zonata* (Saunders) | peach fruit fly |
| *Bemisia tabaci* (Gennadius) biotype B | poinsettia (silverleaf) white fly, tobacco whitefly B biotype |
| *Brachycorynella asparagi* (Mordvilko) | asparagus aphid |
| *Brachyponera chinensis* (Emery) | Asian needle ant |
| *Callosobruchus chinensis* (Linnaeus) | Chinese bruchid, oriental cowpea bruchid, southern cowpea weevil, adzuki bean weevil |
| *Camponotus* spp (exotic species) | carpenter ants |
| *Cantareus apertus* (Born) | green snail |
| *Carocollina lenticula* (Michaud) | lens snail |
| *Carposina sasakii* (Matsumura) | peach fruit borer, peach fruit moth |
| *Caryedon serratus* (Oliver) | groundnut bruchid, tamarind weevil, groundnut borer, seed beetle |
| *Cephus cinctus* (Norton) | wheat stem sawfly |
| *Cephus pygmeus* (Linnaeus) | European wheat stem sawfly |
| *Ceratitis capitata* (Wiedemann) | Mediterranean fruit fly , Medfly |
| *Ceroplastes rubens* (Maskell) | pink wax scale |
| *Ceuthorhynchus assimilis* (Paykull) | cabbage seedpod weevil |
| *Chalcodermus aeneus* (Boheman) | cowpea curculio |
| *Chilecomadia valdiviana* Dyar | carpenter worm |
| *Chilo auricilius* Dudgeon | sugarcane stalk borer, gold-fringed rice borer |
| *Chilo infuscatellus* Snellen | yellow top borer, sugarcane shoot borer |
| *Chilo orichalcociliella* (Strand) | coastal stem borer, coastal stalk borer |
| *Chilo partellus* (Swinhoe) | spotted stalk borer |
| *Chilo polychrysa* (Meyrick) | stem borer, dark-headed striped borer |
| *Chilo sacchariphagus* Bojer | spotted sugarcane borer |
| *Chilo terrenellus* (Pagenstecher) | sugarcane stem borer |
| *Chilo tumidicostalis* (Hampson) | spotted sugarcane stem borer |
| *Choristoneura rosaceana* (Harris) | oblique banded leafroller |
| *Chortoicetes terminifera* (Walker) | Australian Plague Locust |
| *Chromatomyia horticola* Goureau | leafminer |
| *Cicadella viridis* (Linnaeus) | green leafhopper |
| *Cicadulina mbila* (Naudé) | maize leafhopper |
| *Citripestis sagittiferella* Moore | citrus fruit borer |
| *Conotrachelus nenuphar* (Herbst) | plum weevil , plum curculio , American plum weevil , peach curculio |
| *Coptotermes formosanus* (Shiraki) | Formosan subterranean termite Formosan termite |
| *Coptotermes gestroi* (Wasmann) | Asian subterranean termite |
| *Coryphodema tristis* Drury | South African cossid moth |
| *Cryptotermes brevis* (Walker) | West Indian drywood termite |
| *Ctenopseustis obliquana* (Walker) | brown headed leafroller |
| *Cydia latiferreana* (Walsingham) | filbertworm moth |
| *Daktulosphaira vitifoliae* (Fitch)(exotic strains) | grapevine phylloxera including biotype B |
| *Delia antiqua* (Meigen) | onion fly |
| *Delia florilega* (Zetterstedt) | bean seed maggot |
| *Dendroctonus frontalis* Zimmermann | southern pine beetle |
| *Dendroctonus ponderosae* (Hopkins) | mountain pine beetle, black hills beetle |
| *Dendroctonus valens* LeConte | red turpentine beetle |
| *Dialeurodes citri* (Ashmead) | citrus whitefly |
| *Diaphorina citri* Kuwayana | Asian citrus psyllid |
| *Dilobopterus costalimai* Young | sharpshooter leafhopper |
| *Diuraphis noxia* (Kurdjumov) | Russian wheat aphid , barley aphid, Russian grain aphid |
| *Draeculacephala minerva* Ball | green sharpshooter, grass sharpshooter |
| *Drosophila suzukii* (Mastumura) | spotted winged drosophila |
| *Dysaphis plantaginea* (Passerini) | rosy apple aphid |
| *Elasmopalpus lignosellus* (Zeller) | lesser cornstalk borer, sugarcane jumping borer |
| *Eldana saccharina* Walker | African sugarcane borer |
| *Eotetranychus carpini* Oudemans | yellow vine mite |
| *Eumerus strigatus* (Fallen) | lesser bulb fly |
| *Eurygaster integriceps* Puton | Sunn pest |
| *Euwallacea fornicatus (Eichhoff)* | polyphagous shot-hole borer |
| *Graphocephala atropunctata* (Signoret) | blue-green sharpshooter |
| *Grapholita funebrana* Treitschke | plum fruit moth |
| *Halyomorpha halys* Stål | brown marmorated stink bug |
| *Helicoverpa zea* (Boddie) | corn earworm, American bollworm, tomato fruitworm, American cotton bollworm, cotton bollworm |
| *Heterobostrychus aequalis* (Waterhouse) | powder post beetle, kapok borer, lesser auger beetle |
| *Homalodisca vitripennis* (Germar) | glassy- winged sharpshooter |
| *Homoeosoma electellum* (Hulst) | sunflower moth, sunflower head moth, sunflower pyralid |
| *Hylesia nigricans* (Cramer) | burning moth |
| *Hylobius abietis* Linnaeus | European large pine weevil |
| *Hylotrupes bajulus* (Linnaeus) | European house longhorn borer, house longhorn beetle, Italian beetle, house longicorn beetle, old-house borer |
| *Hylurdrectonus araucariae* Schedl | araucaria bark beetle |
| *Hypera meles* (Fabricius) | red clover weevil, clover head weevil |
| *Incisitermes minor* (Hagen) | western drywood termite |
| *Ips* spp. (exotic species) | Ips bark beetles |
| *Ips typographus* (Linnaeus) | eight-toothed bark beetle, spruce bark beetle, eight-dentated bark beetle, eight-spined engraver |
| *Lasius neglectus* Van Loon, Boomsma & Andrasfalvy | European garden ant |
| *Lepisiota frauenfeldi* (Mayr) | browsing ant |
| *Lepisiota incisa* (Forel) | African black sugar ant |
| *Leptinotarsa decemlineata* (Say) | Colorado beetle, Colorado potato beetle |
| *Liothrips oleae* Costa | olive thrips |
| *Liothrips vaneecki* (Priesner) | lily thrips |
| *Liriomyza bryoniae* Kaltenbach | tomato leaf miner |
| *Liriomyza cicerina* (Rondani) | chickpea leafminer |
| *Liriomyza huidobrensis* (Blanchard) | serpentine leaf miner, South American leaf miner, potato leaf miner, pea leaf miner |
| *Liriomyza sativae* (Blanchard) | serpentine vegetable leaf miner vegetable leaf miner, cabbage leaf miner, tomato leaf miner, melon leaf miner |
| *Liriomyza trifolii* (Burgess) | American serpentine leaf miner, chrysanthemum leaf miner, serpentine leaf miner |
| *Lissachatina fulica* (Bowditch) | giant African snail, giant African land snail |
| *Lyctus africanus* Lesne | powder post beetle |
| *Lygus hesperus* (Knight) | western plant bug |
| *Lygus lineolaris* Palisot de Beauvois | tarnished plant bug |
| *Lymantria dispar* (Linnaeus) | Asian gypsy moth , gypsy moth |
| *Lymantria dispar* *asiatica* Vnukovskij | Asian gypsy moth |
| *Lymantria dispar complex* | gypsy moth complex |
| *Lymantria dispar dispar* Linnaeus | North American/Europe gypsy moth |
| *Lymantria dispar japonica* Motschulsky | Japanese gypsy moth |
| *Lymantria monacha* (Linnaeus) | nun moth, black arches moth, black-arched tussock moth, tussock moth |
| *Malacosoma disstria* (Hübner) | forest tent caterpillar |
| *Marchalina hellenica* (Gennadius) | giant pine scale |
| *Massylaea vermiculata* (Muller) | chocolate-band snail |
| *Mayetiola destructor* (Say) | hessian fly |
| *Mayetiola hordei* Keiffer | barley stem gall midge |
| *Meromyza saltatrix* (Linnaeus) | wheat stem maggot |
| *Monacha* spp*.* |  |
| *Monochamus* spp. | longhorn beetles |
| *Monochamus alternatus* Hope | Japanese pine sawyer beetle |
| *Monomorium minimum* Buckley | little black ant |
| *Mylabris phalerata* (Pallas) | blister beetle, yellow-banded blister beetle |
| *Myrmica rubra* (Linnaeus) | red ant, European fire ant |
| *Mythimna unipuncta* (Hawthorn) | armyworm moth |
| *Nylanderia fulva* (Mayr) | tawny crazy ant, rasberry crazy ant |
| *Obereopsis brevis* (Gahan) | soybean girdle beetle |
| *Oligonychus ilicis* (McGregor) | southern red mite |
| *Oligonychus pratensis* (Banks) | Banks grass mite |
| *Oncometopia fasciali* Signoret | sharpshooter |
| *Ootheca bennigseni* (Weise) | Ootheca beetle, bean leaf beetle |
| *Orgyia thyellina* (Butler) | white spotted tussock moth |
| *Ostrinia nubilalis* (Hübner) | European corn borer, European maize borer, corn moth, stalk borer |
| *Oxycanus antipoda* (Herrich-Schaffer) | oxycanus grub |
| *Pachycondyla chinensis* (Emery) | Asian needle ant |
| *Pandemis cerasana* (Hübner) | cherry brown tortrix, barred fruit-tree totrix |
| *Panonychus citri* (McGregor) | citrus red mite |
| *Paratrechina flavipes* (Smith) | Asian formicine ant |
| *Paratrechina longicornis* Latrielle | crazy ant |
| *Paratrechina vividula* (Nylander) | no common name |
| *Peridroma saucia* (Hübner) | variegated cutworm |
| *Pheidole megacephala* (Fabricius) | African big-headed ant, Coastal brown-ant |
| *Phenacoccus aceris* (Signoret) | apple mealybug |
| *Philaenus spumarious* Linnaeus | meadow froghopper, meadow spittlebug |
| *Phyllotreta* sp. (exotic species) | flea beetles |
| *Phytomyza gymnostoma* Loew | allium leaf miner |
| *Planococcus ficus* (Signoret) | vine mealybug |
| *Planotortrix octo* Dugdale | green headed leafroller |
| *Platynota stultana* Walsingham | omnivorous leafroller |
| *Plautia stali* | *Brown-winged green bug, Japanese brown-winged green bug, Oriental stink bug, pittosporum stink bug* |
| *Plutella xylostella* (Linnaeus) | diamond back moth |
| *Pomacea canaliculata* (Lamarck) | golden apple snail |
| *Popillia japonica* (Newman) | Japanese beetle, velvety chafer |
| *Prays oleae* (Bernard) | olive moth, olive kernel borer |
| *Protopulvinaria pyriformis* (Cockerell) | pyriform scale |
| *Pseudococcus longispinus* (Targioni Tozzetti) | long-tailed mealybug |
| *Pseudococcus maritimus* (Ehrhorn) | grape mealybug |
| *Psila rosae* (Fabricius) | carrot rust fly, carrot fly |
| *Rhagoletis complete* Cresson | walnut husk fly |
| *Rhagoletis fausta* (Osten Sacken) | black cherry fruit fly |
| *Rhagoletis indifferens* (Curran) | western cherry fruit fly |
| *Rhagoletis pomonella* (Walsh) | apple maggot |
| *Rhizoglyphus callae* (Oudemans) | bulb mite |
| *Rhizoglyphus setosus* (Manson) | bulb mite |
| *Rhyacionia* spp*.* | European pine shoot moth |
| *Scaphoideus titanus* (Ball) | vine leafhopper |
| *Scirophaga excerptalis* Walker | white top borer, sugarcane top borer, top shoot borer |
| *Scirotothrips aurantii* (Faure) | South African citrus thrips |
| *Scirotothrips perseae* (Nakahara) | avocado thrips |
| *Sesamia grisescens* Walker | pink stalk borer |
| *Sirex juvencus* (Linneaus.) | steely-blue wood wasp |
| *Sitobion avenae* Fabricius | wheat aphid |
| *Sitona lepidus* (Gyllenhal) | clover weevil |
| *Sitona lineatus* (Linnaeus) | pea and bean weevil, pea leaf weevil, striped bean weevil |
| *Solenopsis geminata* (Fabricius) | tropical fire ant |
| *Solenopsis interrupta* (Santochi) | red imported fire ant |
| *Solenopsis invicta* (Buren) | red imported fire ant |
| *Solenopsis richteri* Forel | black imported fire ant |
| *Solenopsis saevissima* var. *wagneri* (Santschi) | red imported fire ant |
| *Solenopsis wagneri* (Santschi) | red imported fire ant |
| *Spilarctia obliqua* (Walker) | jute hairy caterpillar, tiger moth |
| *Spodoptera eridania* (Cramer) | southern armyworm |
| *Stromatium barbatum* (Fabricius) | drywood longicom beetle |
| *Tapinoma melanocephalum* (Fabricius.) | ghost ant |
| *Tapinoma sessile* (Say) | odorous house ant |
| *Tetramorium caespitum* Linnaeus | pavement ant |
| *Thaumatotibia leucotreta* Meyrick | false codling moth |
| *Thrips palmi* (Karny) | melon thrips, oriental thrips, southern yellow thrips |
| *Tomicus piniperda* (Linneaus) | pine shoot beetle |
| *Trioza apicalis* Förster | carrot psyllid, carrot sucker |
| *Triozia erytreae* (Del Guercio) | African citrus psyllid |
| *Trogoderma granarium* (Everts) | khapra beetle |
| *Urocerus gigas* (Linnaeus) | wood wasp, horntail, banded sawfly, pine wood wasp, giant wood wasp |
| *Vanapa oberthuri* (Poulliaude) | hope pine weevil |
| *Wasmannia auropunctata* (Roger) | electric ant |
| *Xeris spectrum* (Linneaus) | wood wasp, long horntail |
| *Xyphon fulgidium* (Nottingham) | redheaded sharpshooter |
| *Zeugodacus cucurbitae* (Coquillett) | melon fly |
| *Zeugodacus tau* (Walker) | fruit fly |
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| **Nematodes** |  |
| *Belonolaimus gracilis* Steiner | sting nematode, pine sting nematode |
| *Belonolaimus longicaudatus* Rau | sting nematode |
| *Bursaphelenchus cocophilus* Cobb | red ring nematode |
| *Bursaphelenchus* spp. (exotic species) | pinewood nematode species complex |
| *Bursaphelenchus xylophilus* (Steiner, Buhrer) Nickle | pine wilt nematode |
| *Ditylenchus destructor* Thorne | potato tuber nematode |
| *Ditylenchus dipsaci* (Kühn) Filip’ev | stem and bulb nematode, alfalfa stem nematode |
| *Dolichodorus heterocephalus* Cobb | awl nematode |
| *Globodera pallida* (Stone) Behrens | potato cyst nematode |
| *Globodera rostochiensis* (Wollenweber) Behrens | yellow potato cyst nematode |
| *Heterodera avenae* (Woll.)(exotic strains) | cereal cyst nematode |
| *Heterodera cajani* Koshy | pigeon pea cyst nematode |
| *Heterodera carotae* (Jones) | carrot cyst nematode |
| *Heterodera ciceri* Vovlas, Greco & di Vito | chickpea cyst nematode |
| *Heterodera filipjevi* (Madzhidov) | cereal cyst nematode |
| *Heterodera glycines* Ichinohe | soybean cyst nematode |
| *Heterodera goettingiana* Liebscher | pea cyst nematode |
| *Heterodera hordecalis* Andersson | barley cyst nematode |
| *Heterodera latipons* (Franklin) | cereal cyst nematode |
| *Heterodera mani* Mathews | grass cyst nematode, ryegrass cyst nematode |
| *Heterodera sorghi* Jain, Sethi, Swarup & Srivastav | sorghum cyst nematode |
| *Heterodera zeae* Koshy, Swarup & Sethi | maize cyst nematode |
| *Hoplolaimus columbus* Sher | Columbia lance nematode |
| *Hoplolaimus galeatus* (Cobb) Thorne | crown-headed lance nematode, Cobb’s lance nematode |
| *Longidorus breviannulatus* Norton & Hoffmann | needle nematode |
| *Meloidogyne chitwoodi* Golden, O'Bannon, Santo & Finley | Columbia root-knot nematode |
| *Meloidogyne enterolobii* Yang and Eisenback | pacara earpod tree root-knot nematode, guava root-knot nematode |
| *Meloidogyne mali* Itoh, Ohshima & Ichinoche | apple root-knot nematode |
| *Meloidogyne naasi* Franklin | barley root knot nematode |
| *Paratrichodorus anemones* (Loof) Siddiqi | stubby-root nematode |
| *Paratrichodorus pachydermus* (Seinhorst) Siddiqi | stubby-root nematode |
| *Paratrichodorus teres* (Hooper) Siddiqi | stubby-root nematode |
| *Pratylenchus quasitereoides* Hodda, Collins, Vanstone, Hartley, Wanjura & Kehoe | root-lesion nematode |
| *Radopholus citri* Machon & Bridge | burrowing nematode |
| *Radopholus similis* (Cobb) Thorne (exotic strains) | burrowing nematode |
| *Trichodorus primitivus* (de Man) Micoletzky | stubby-root nematode |
| *Trichodorus viruliferus* Hooper | stubby-root nematode |
|  |  |
| **Other** |  |
| *Phelipanche* spp. (exotic species) | broomrapes |
| *Striga asiatica* (L.) Kuntze | red witch weed, witchweed |

## Diseases

| Scientific name | Common name |
| --- | --- |
| Fungi |  |
| *Alternaria citri* | brown spot |
| *Alternaria cucumerina* (Ellis & Everh.) J.A. Elliott | leaf blight |
| *Alternaria humicola* | leaf spot of field peas |
| *Alternaria triticina* (Prasada & Prabhv) | leaf blight of wheat |
| *Anisogramma anomala* (Peck) E. Müll. | filbert blight |
| *Apiosporina morbosa* (Schwein.:Fr.) Arx | black knot |
| *Armillaria mellea* sensu lato | armillaria root rot |
| *Armillaria* spp. (exotic species) | armilaria root disease |
| *Ascochyta rabiei* (MAT1-1) | ascochyta blight of chickpea |
| *Austropuccinia psidii sensu lato* (exotic variants) | myrtle rust, guava rust, eucalyptus rust |
| *Botrytis squamosa (*syn*. Botryotinia squamosa)* | botrytis leaf blight of alliums |
| *Bretziella fagacearum (*syn. *Ceratocystis fagacearum)* | oak wilt |
| *Calonectria brassicae* | root rot |
| *Calonectria cylindrospora (*syn. *Calonectria morganii)* | root rot, sheath net blotch |
| *Calonectria pteridis* | calonectria leaf blight, blight, leaf spot, cutting and root rot |
| *Ceratocystis albifundus* (M.J. Wingfield, De Beer & Morris) | wilt disease |
| *Ceratocystis fimbriata* complex (exotic strains) | wilt disease |
| *Cercosporella rubi* | rosette |
| *Chrysoporthe austroafricana* (Gryzenhout & M.J. Wingfield) | eucalyptus canker disease |
| *Chrysoporthe cubensis* | eucalyptus canker disease |
| *Ciborinia camelliae* L.M. Kohn | camellia petal blight, flower blight |
| *Cladosporium allii* | leaf spot of alliums |
| *Colletotrichum acutatum* SGO strain (Simmonds) | post bloom fruit drop |
| *Colletotrichum dematium* (Pers.:Fr.) Grove (chickpea strain) | colletotrichum blight |
| *Colletotrichum higginsianum* | crucifer leaf spot |
| *Colletotrichum lentis* (lentil affecting strain) | lentil and vetch anthracnose |
| *Colletotrichum lupini* | lupin anthracnose |
| *Colletotrichum lupini* (Bondar) Nirenberg et al. | lupin anthracnose |
| *Colletotrichum truncatum* (Schwein.) Andrus & W.D. Moore | lentil anthracnose,soyabean anthracnose |
| *Coniferiporia weirii* (syn. *Phellinidium weirii*) | laminated root rot |
| *Cronartium* spp. | pine rusts |
| *Cryphonectria parasitica* (Murrill) M.E. Barr | chestnut blight |
| *Diaporthe amygdali* (syn. *Phomopsis amygdali*) | phomopsis canker of *Prunus* spp. |
| *Diaporthe helianthi* (syn.) *Phomopsis helianthi* | sunflower stem canker |
| *Diaporthe vaccinii* (syn. *Phomopsis vaccinii*) | phomopsis blight of blueberry |
| *Elsinoe australis* Bitanc. & Jenkins | orange scab |
| *Elsinoe fawcettii* Bitanc. & Jenkins | citrus scab |
| *Endocronartium harknessii*. | western gall rust of Pinus |
| *Endocronartium* spp. | pine rusts |
| *Erysiphe heraclei* | powdery mildew of parsley |
| *Exobasidium vexans* Massee | tea blister blight |
| *Fibroidium tingitaninum* (bas. *Oidium tingitaninum*) | powdery mildew of citrus |
| *Fusarium circinatum* Nirenberg & O'Donnell | pine pitch canker |
| *Fusarium oxysporum* f. sp. *Conglutinans* (Wollenw.) | fusarium wilt of canola |
| *Fusarium oxysporum* f. sp. *Lupini* (Shyder & Hansen) | fusarium wilt of lupin |
| *Fusarium oxysporum* Schltdl.:Fr. f.sp. *ciceris* | fusarium wilt of chickpeas |
| *Fusarium oxysporum* Schltdl.:Fr. f.sp. *lentis* | fusarium wilt of lentils, vascular wilt of lentils |
| *Grosmannia wageneri* (syn. *Ophiostoma wageneri*) | black stain root disease |
| *Gremmeniella abietina* (Lagerb.) Morelet | scleroderris canker, Brunchorstia disease |
| *Gymnoconia nitens* | orange rust |
| *Gymnosporangium* spp. | apple and pear rusts |
| *Gymnosporangium juniperi-virginianae* | cedar apple rust |
| *Heterobasidion annosum* | annosus root and butt rot |
| *Hormiactis* spp. (exotic species) | cap spot |
| *Hymenoscyphus fraxineus* (syn. *Hymenoscyphus pseudoalbidus*) | ash dieback |
| *Inocutis jamaicensis* | white rot, stem rot of eucalypts |
| *Leptographium wageneri* | black stain root disease of pines |
| *Magnaporthiopsis maydis* | late wilt |
| *Melanconium fuligineum* (Scribn. & Viala) Cavara | bitter rot |
| *Monilinia fructigena* | brown rot |
| *Monilinia mali* | monilinia leaf blight, blossom blight/wilt |
| *Monilinia poystroma* | Asiatic brown rot |
| *Monilinia vaccinii-corymbosi* | mummy berry, cotton ball disease |
| *Mycosphaerella juvenis* Crous & M.J. Wingf. | blue gum mycosphaerella |
| *Naohidemyces fujisanensis* | blueberry rust |
| *Naohidemyces vaccinii* | blueberry rust |
| *Neofabraea malicorticis* (syn. *Pezicula malicorticis*) | core rot, apple anthracnose |
| *Neonectria ditissima* | European canker |
| *Neonectria fuckeliana* (Booth) | nectria canker |
| *Ophiostoma himal-ulmi* Brasier & M.D. Mehrotra | dutch elm disease |
| *Ophiostoma novo-ulmi* subsp. *americana* Brasier & S.A. Kirk | dutch elm disease |
| *Ophiostoma novo-ulmi* subsp. *novo-ulmi* Brasier | dutch elm disease |
| *Ophiostoma ulmi* (Buisman) Nannf. | dutch elm disease |
| *Otiorhynchus rugosostriatus* (Goeze) | rough strawberry weevil |
| *Peronosclerospora philippinensis* | Philippine downy mildew of maize |
| *Peronosclerospora sacchari* | sugarcane downy mildew |
| *Peronosclerospora sorghi* (W. Weston & Uppal) C.G. Shaw | downy mildew |
| *Phakopsora euvitis* Y. Ono | grapevine rust |
| *Phakopsora pachyrhizi* Syd. & P. Syd. | soy bean rust |
| *Phakospora zeae* (syn. *Physopella zeae*) | rust of maize |
| *Phialophora cinerescens* | vascular wilt of carnations |
| *Phomopsis asparagi* (bas. *Phoma asparagi*) | asparagus stem blight |
| *Phyllosticta ampelicida* (syn. *Guignardia bidwellii*) | black rot of grapevine |
| *Phyllosticta citricarpa* (syn*. Guignardia citricarpa*) | black spot of citrus |
| *Phymatotrichopsis omnivora* (Duggar) Hennebert | phymatotrichum root rot, texas root rot, cotton root rot |
| *Phytophthora acerina* | dieback |
| *Phytophthora capsici* Leonian | phytophthora root rot |
| *Phytophthora fragariae* (Hickman) var. *fragariae* (Wilcox & Duncan) | red stele root rot |
| *Phytophthora fragariae* var. *fragariae* C. J. Hickman | red stele root rot |
| *Phytophthora* 'hybrids' | phytophthora root rot |
| *Phytophthora infestans* (Mont.) de Bary A2 Strain | late blight |
| *Phytophthora infestans* (A2 mating type and exotic strains of A1 mating type) | late blight |
| *Phytophthora kernoviae* Brasier, Beales and S.A. Kirk | phytophthora rot |
| *Phytophthora pinifolia* | Daño foliar del pino |
| *Phytophthora pluvialis* | red needle cast |
| *Phytophthora ramorum* Werres, de Cock & Man in 't Veld | sudden oak death |
| *Phytophthora* spp. (exotic species and strains) |  |
| *Plasmopara halstedii* (Farl.) Berl. & De Toni | sunflower downy mildew |
| *Plasmopara petroselini* | downy mildew of parsley |
| *Plenodomus tracheiphilus* (syn. *Phoma* *tracheiphila*) | mal secco of citrus |
| *Podosphaera cerasi* | powdery mildew |
| *Podosphaera macularis* (Wallr.) U. Braun & S. Takam. | hops powdery mildew |
| *Pseudoperonospora humuli* (Miyabe & Takah.) G.W. Wilson | hops downy mildew |
| *Pseudopezicula tetraspora* | angular leaf scorch |
| *Pseudopezicula tracheiphila* (syn. *Pseudopeziza tracheiphila*) | Rotbrenner |
| *Puccinia allii* DC. F. Rudolphi (exotic strains) | rust of allium |
| *Puccinia apii* | rust of celery |
| *Puccinia asparagi* DC. | asparagus rust |
| *Puccinia coronata* var. *hordei* | crown rust of barley |
| *Puccinia cynodontis* (Lacroix ex Desm.) | rust |
| *Puccinia graminis* f. sp. *hordei* (exotic strains) (Erikss. & Henning) | barley stem rust |
| *Puccinia graminis* f.sp. *tritici* (pathotype Ug99) | stem rust of wheat |
| *Puccinia hemerocallidis* | daylily rust |
| *Puccinia nitida* | rust of parsley, dill |
| *Puccinia opizii* | lettuce rust |
| *Puccinia recondita* (exotic strains) (Roberge ex Desm.) | brown rust of wheat |
| *Puccinia striiformis* Westend. f. sp. *hordei* | barley stripe rust |
| *Puccinia striiformis* f. *tritici* | wheat stripe rust |
| *Puccinia triticina* (exotic strains) (Erikss.) | brown wheat rust |
| *Pucciniastrum coryli* | hazelnut rust |
| *Pyrenophora teres* f. *teres* | net form of net blotch –fungicide resistant strains |
| *Pythium tracheiphilum* Matta | lettuce wilt, leaf blight |
| *Ramularia didymarioides* | Leaf and awn spot |
| *Rhizoctonia solani* f.sp. *sasakii* (AG1) | banded leaf and sheath spot of maize |
| *Roesleria subterranea* (Weinm.) | grape root rot |
| *Synchytrium endobioticum* (Schilb.) Percival | potato black wart |
| *Teratosphaeria destructans* (syn. *Phaeophleospora destructans*) | eucalypt leaf blight |
| *Teratosphaeria gauchensis* (M.-N. Cortinas, Crous & M.J. Wingf.) | coniothyrium eucalypt canker |
| *Teratosphaeria gauchensis* | teratosphaeria stem canker |
| *Teratosphaeria zuluensis (*syn. *Coniothyrium zuluense)* | eucalyptus stem canker, coniothyrium canker of eucalyptus |
| *Teratosphaeria zuluensis* (M.J. Wingf., Crous & T.A. Cout.) | coniothyrium eucalypt canker |
| *Thekopsora minima* | blueberry rust |
| *Tilletia indica* Mitra | karnal bunt |
| *Trichosporum vesiculosum* E.J. Butler | casuarina blister bark |
| *Urocystis magica* (syn. *Urocystis cepulae*) | onion smut |
| *Uromyces lupinicola* | lupin rust |
| *Uromyces pisi-sativi* (syn. *Uromyces pisi*) (field pea strain) | rust of peas |
| *Uromyces renovatus* | lupin rust |
| *Uromyces viciae-fabae* (lentil strain) | lentil rust |
| *Verticillium albo-atrum* Reinke & Berthier (lucerne strain) | lucerne verticillium wilt |
| *Verticillium dahliae* (defoliating strain) (Kleb.) | verticillium wilt |
| *Verticillium longisporum* | verticillium wilt of canola |
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| Bacteria and phytoplasmas |  |
| *Brenneria nigrifluens* | shallow bark canker |
| *Brenneria rubrifaciens* | deep bark canker |
| *Burkholderia caryophylli* | bacterial wilt of carnation |
| *Candidatus Liberibacter africanus* | citrus greening, African greening |
| *Candidatus Liberibacter americanus* | citrus greening, American greening |
| *Candidatus Liberibacter asiaticus* | citrus greening, Asian greening |
| *Candidatus Liberibacter solanacearum* | zebra chip |
| *Candidatus* Phytoplasma novoguineense | banana wilt phytoplasma, banana wilt associated phytoplasma |
| *Clavibacter michigenensis* sub sp. *sepedonicus* | ring rot |
| *Dickeya solani* | black leg disease of potato |
| *Dickeya zeae* | bacterial soft rot of maize |
| *Erwinia amylovora* | fireblight |
| *Erwinia pyrifoliae* | stem blight of nashi (Asian pear) |
| *Erwinia tracheiphila* | bacterial wilt of cucurbits |
| Flavescence doree phytoplasma | flavescence doree |
| *Pantoea agglomerans* pv. | crown and root gall disease of *Gypsophila* |
| *Pantoea stewartii* | Stewart's disease |
| Peach X phytoplasma | peach X disease |
| Phytoplasma mali Seemüller & Schneider | apple proliferation |
| Phytoplasma prunorum Seemüller & Schneider | European stonefruit yellows, apricot chlorotic leafroll |
| Phytoplasma pyri Seemüller & Schneider | pear decline |
| Phytoplasmas 16Srl group including-   * *Candidatus* Phytoplasma asteris (16SrI-B) * *Candidatus* Phytoplasma tritici (16SrI-C) * *Candidatus* Phytoplasma lycopersici (16SrI-Y) | aster yellows group |
| *Pseudomonas* amygdali | bacterial canker of almond, hyperplastic canker of almond and peach |
| *Pseudomonas lacrymans* | angular leaf spot |
| *Ralstonia syzygii* subsp. *indonesiensis* (Phylotype IV) (syn. *Ralstonia solanacearum* race 4) | bacterial wilt of potato, brown rot of potato |
| *Spiroplasma citri* | stubborn |
| *Xanthomonas axonopodis* pv. *allii* | leaf blight of allium |
| *Xanthomonas citri* subsp*. citri* | citrus canker |
| Xanthomonas campestris pv. *graminis* | bacterial wilt |
| *Xanthomonas fragariae* | angular leaf spot |
| *Xylella fastidiosa* | Pierce’s disease |
| *Xylella taiwanensis* | leaf scorch of nashi pear |
| *Xylophilus ampelinus* | bacterial blight |
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| Viruses, viroids |  |
| Asparagus virus 1 | AV-1 |
| Asparagus virus 2 | AV-2 |
| Barley mild mosaic virus (*Bymovirus*) | BaMMV |
| Barley stripe mosaic virus (*Hordeivirus*) | BSMV |
| Barley yellow mosaic virus (*Bymovirus*) | BaYMV |
| Bean common mosaic virus synonym Peanut stripe virus | BCMV, peanut stripe |
| Broad bean mottle virus (*Bromovirus*) | BBMV |
| Broad bean stain virus (*Comovirus*) | BBSV |
| Broad bean true mosaic virus (*Comovirus*) | BBTMV |
| Brome mosaic virus (*Bromovirus*) | BrMV |
| Cherry leaf roll virus (*Nepovirus*) | blackline |
| Chickpea chlorotic dwarf virus (*Mastrevirus*) | CpCDV |
| Chickpea chlorotic stunt virus (*Polerovirus*) | CpCSV |
| Chinese wheat mosaic virus (*Furovirus*) | CWMV |
| Citrus leprosis virus(Unassigned) | citrus leprosis disease |
| Citrus tristeza virus | CTV, grapefruit stem pitting |
| Coconut cadang cadang viroid | coconut cadang cadang, CCCVd |
| Cowpea mild mottle virus (*Carlavirus*) | CPMMV |
| Criniviruses | various |
| Cucumber fruit mottle mosaic virus (*tobamovirus*) | CFMMV |
| cucumber green mottle mosaic virus | CGMMV |
| Cucumber mottle virus (*tobamovirus*) | CMV |
| Geminiviruses | various |
| Grapevine B virus Vitivirus | GVB, corky bark disease |
| Grapevine red blotch virus (*Grablovirus*) | GRBV |
| Groundnut bud necrosis (*Tospovirus*) | groundnut bud necrosis (Tospovirus) |
| hellebore net necrosis virus | HeNNV |
| high plains tenuivirus | HPTV |
| impatiens necrotic spot virus | INSV, TSWV-I |
| Indian peanut clump virus (*Pecluvirus*) | IPCV |
| Kyuri green mottle mosaic virus (*tobamovirus*) | KGMMV |
| Lettuce infectious yellows virus (*Crinivirus*) | LIYV |
| little cherry virus | LChV |
| Maize dwarf mosaic virus (*Potyvirus*) | maize dwarf mosaic virus |
| melon necrotic spot virus | MNSV |
| Melon severe mosaic virus (*Tospovirus*) | MeSMV |
| Melon yellow spot virus (*Orthotospovirus*) | MYSV |
| Nepoviruses | Various |
| Oat golden stripe virus (*Furovirus*) | OGSV |
| Oat mosaic virus (*Bymovirus*) | OMV |
| Pea early browning virus (*Tobravirus*) | PEBV |
| Pea enation mosaic virus (*Enamovirus*) | PEMV |
| Pea seedborne mosaic virus (*Potyvirus*) | PSbMV |
| Peach rosette mosaic virus | peach rosette mosaic virus |
| Pepino mosaic virus | PepMV |
| Pepper chat fruit viroid | PCFVd |
| Plum pox virus | PPV, plum pox disease, Sharka |
| Potato 14R virus (*tobamovirus*) | potato 14R virus |
| Potato mop-top virus | PMTV, potato mop-top |
| Potato spindle tuber viroid | PSTVd, potato spindle tuber |
| Raspberry ringspot virus (*Nepovirus*) | RpRSV |
| Red clover vein mosaic virus (*Carlavirus*) | red clover vein mosaic virus |
| Ribgrass mosaic virus (*tobamovirus*) | RMV |
| Rice stripe tenuivirus | RSTV |
| Rice tungro bacilliform virus | RTBV, rice tungro |
| Soil-borne cereal mosaic virus (*Furovirus*) | SBCMV |
| Soil-borne wheat mosaic virus (*Furovirus*) | SBWMV |
| Sorghum chlorotic spot virus (*Furovirus*) | SgCSV |
| Strawberry latent ringspot virus (*Sadwavirus*) | SLRSV |
| Tobacco etch virus (*Potyvirus*) | TEV |
| Tobacco mosaic virus— Potato strain (*tobamovirus*) | TMV-P |
| Tobacco rattle virus strain Tobacco rattle virus CAM strain | TRV pepper ringspot virus |
| Tomato black ring virus (*Nepovirus*) | TBRV |
| Tomato brown rugose fruit virus | ToBRFV |
| Tomato bushy stunt virus | TBSV |
| Tomato mottle mosaic virus (*tobamovirus*) | ToMMV |
| Tomato ringspot virus | ToRSV |
| Tomato yellow leaf curl virus | TYLCV |
| Turnip-vein clearing virus (*tobamovirus*) | TVCV |
| Wasabi mottle virus (*tobamovirus*) | WMoV |
| Watermelon bud necrosis virus (*Tospovirus*) | watermelon bud necrosis |
| Watermelon silver mottle virus (*Tospovirus*) | watermelon silver mottle virus |
| Wheat yellow mosaic virus (*Bymovirus*) | WYMV |
| Wheat spindle streak mosaic virus (*Bymovirus*) | wheat spindle streak mosaic virus |
| Whitefly transmitted closteroviruses | whitefly transmitted closteroviruses |
| Youcai mosaic virus (*tobamovirus*) | YoMV |
| Zea mosaic virus (*Potyvirus*) | ZeMV |
| Zucchini green mottle mosaic virus (*tobamovirus*) | ZGMMV |
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| Other |  |
| Annual Rye Grass Toxicity | ARGT |