

VEGETABLES

Organism	Order	Family	Plant Part attacked
<b>Tomato (<i>Solanum lycopersicum</i> L.)</b>			
<i>Aburina sobrina</i> Moschl	Lepidoptera	Noctuidae	frp
<i>Achaea albicilia</i> Btlr.	Lepidoptera	Noctuidae	frp
<i>Achaea catocaloides</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea endochlora</i> Hmps.	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> Boisid	Lepidoptera	Noctuidae	frp
<i>Achaea mormoides</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l, fr, sh
<i>Amrasca devastans</i>	Homoptera	Cicadellidae	l
<i>Anomis (Cosmophila) flava</i> Fab.	Lepidoptera	Noctuidae	fr
<i>Anomis leona</i> Schaus.	Lepidoptera	Noctuidae	frp
<i>Aphis gossypii</i> Glover	Homoptera	Aphididae	sh, l
<i>Aphis craccivora</i> Koch	Homoptera	Aphididae	sh, l
<i>Atherigona orientalis</i> Schiner	Diptera	Muscidae	s, fr
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Brachytrupes membranaceus</i> (Drury)	Orthoptera	Gryllidae	s
<i>Chasmina camilla</i> Bruce	Lepidoptera	Noctuidae	l
<i>Coelonia solani</i> Boisid.	Lepidoptera	Sphingidae	l
<i>Crocidolomia binotalis</i> (Zell)	Lepidoptera	Pyalidae	fr
<i>Crocidolomia pavonana</i> Fab.	Lepidoptera	Pyalidae	fr
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<i>Dysmicoccus brevipes</i> (Cockerell)	Homoptera	Pseudococcidae	sh
<i>Earias biplaga</i> Wlk.	Lepidoptera	Noctuidae	sh
<i>Ercheia (Melipotes) subsignata</i> (Wlk.)	Lepidoptera	Noctuidae	frp
<i>Eublemma admota</i> Feldr.	Lepidoptera	Noctuidae	l
<i>Eudocima fullonia</i> (Clerck)	Lepidoptera	Noctuidae	fr
<i>Eudocima materna</i> (Linn.)	Lepidoptera	Noctuidae	fr
<i>Gryllotalpa</i> spp.	Orthoptera	Gryllotalpidae	r
<i>Gryllus campestris</i> L.	Orthoptera	Gryllidae	sh
<i>Helicoverpa armigera</i> (Hub.)	Lepidoptera	Noctuidae	fr, sh
<i>Heliophisma catocalina</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Liriomyza</i> spp.	Diptera	Agromyzidae	l
<i>Mocis udanta</i> (Fab.)	Lepidoptera	Erebidae	l, fr
<i>Myzus persicae</i> (Sulz.)	Homoptera	Aphididae	l
<i>Nesidiocoris tenuis</i> (Reuter)	Heteroptera	Miridae	l, s
<i>Nezara viridula</i> (L.)	Heteroptera	Pentatomidae	l, fr
<i>Nyctipao walker</i> Btlr.	Lepidoptera	Noctuidae	frp
<i>Oligonychus gossypii</i> Zacher	Acarina	Tetranychidae	l
<i>Othreis divitiosa</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Othreis fullonia</i> (Clerck)	Lepidoptera	Noctuidae	frp
<i>Othreis maternal</i> (L.)	Lepidoptera	Noctuidae	frp
<i>Phenacoccus</i> sp	Homoptera	Pseudococcidae	l
<i>Podagriscia sjostedti</i> (Jac.)	Coleoptera	Chrysomelidae	l
<i>Podagriscia uniformis</i> (Jac.)	Coleoptera	Chrysomelidae	l
<i>Phylloxera</i> sp	Hemiptera	Phylloxeridae	r, l
<i>Psylla mali</i>	Homoptera	Pysllidae	l
<i>Parallelia</i> spp.	Lepidoptera	Noctuidae	frp
<i>Rhagoletis ochraspis</i> Wiedemann	Diptera	Tephritidae	fr
<i>Selepa docilis</i> Butler	Lepidoptera	Noctuidae	l
<i>Serrododes partita</i> F.	Lepidoptera	Noctuidae	frp
<i>Serrododes tripsila</i> Mab	Lepidoptera	Noctuidae	frp

<i>Spodoptera littoralis</i> (Boisd.)	Lepidoptera	Noctuidae	s, l, fr
<i>Tetranychus telarius</i>	Acarina	Tetranychidae	l
<i>Tetranychus urticae</i>	Acarina	Tetranychidae	l
<i>Tuta absoluta</i> Meyrick	Lepidoptera	Gelechiidae	l, fr
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	s

### Stored tomato seed pests

<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	sd
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	sd
<i>Tribolium confusum</i>	Coleoptera	Tenebrionidae	sd

### Aubergines and Egg plants

#### ***Solanum aethiopicum*, *S. melongena*, *S. torvum***

<i>Acanthacris ruficornis</i> (Fab.)	Orthoptera	Acrididae	l, sh
<i>Acherontia atropos</i> (L.)	Lepidoptera	Sphingidae	l
<i>Acraea egina</i> Cram	Lepidoptera	Nymphalidae	l
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l, fr, sh
<i>Alpenus investigatorum</i> Karsch	Lepidoptera	Arctiidae	l
<i>Anacatantops notatus</i> (Karsch)	Orthoptera	Acrididae	l, sh
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh
<i>Anthocoris obscuricornis</i> Dall	Heteroptera	Coreidae	fr, sh
<i>Aphis gossypii</i> Glover	Homoptera	Aphididae	l, sh
<i>Argyrogramma signata</i> (Fabricius)	Lepidoptera	Noctuidae	l
<i>Aspavia armigera</i> (Fab.)	Heteroptera	Pentatomidae	l
<i>Atractomorpha acutipennis</i> (Guerin-Meneville)	Orthoptera	Pyrgomorphidae	l
<i>Zeugodacus (=Bactrocera) cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Bactrocera dorsalis</i>	Diptera	Tephritidae	fr
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Brachyplatys testudonigra</i> De Geer	Heteroptera	Plataspidae	l
<i>Brachytripes membranaceous</i> Drury	Orthoptera	Gryllidae	r, s
<i>Callichroma</i> sp.	Coleoptera	Cerambycidae	l
<i>Catantops melanosticus</i> Schaum	Orthoptera	Acrididae	l, sh
<i>Catantops stylifer</i> Krauss	Orthoptera	Acrididae	l, sh
<i>Chirista compta</i> Walker	Orthoptera	Acrididae	l, sh
<i>Coeliades forestan</i> (Stoll)	Lepidoptera	Hesperiidae	l
<i>Coelonia fulvnotata</i> Butler	Lepidoptera	Sphingidae	l
<i>Conocephalus maculatus</i> Le Guillou	Orthoptera	Tettigoniidae	l, f
<i>Cretonnotus marginalis</i> Walker	Lepidoptera	Arctiidae	l
<i>Daphnis nerri</i> L.	Lepidoptera	Sphingidae	l
<i>Deilephila nerii</i> L.	Lepidoptera	Sphingidae	fr, l
<i>Diabrotica</i> spp.	Coleoptera	Chrysomelidae	l, s
<i>Diacrisia rattrayi</i> Roths	Lepidoptera	Arctiidae	l
<i>Diplognatha gagates</i> Forster	Coleoptera	Cetoniidae	l, f, fr, s
<i>Earias biplaga</i> (Walker)	Lepidoptera	Noctuidae	l, s
<i>Empoasca</i> spp.	Homoptera	Cicadellidae	l
<i>Epilachna elaterii</i> (Rossi)	Coleoptera	Coccinellidae	l
<i>Epitrix aethiopica</i> Wse	Coleoptera	Chrysomelidae	l
<i>Eublemma admota</i> Fldr.	Lepidoptera	Noctuidae	l
<i>Euzophera villosa</i> Fldr.	Lepidoptera	Pyralidae	l
<i>Gonocnemis</i> spp.	Coleoptera	Tenebrionidae	l, s
<i>Halymorpha annulicornis</i> Sign.	Heteroptera	Pentatomidae	l
<i>Helicoverpa armigera</i> (Hub.)	Lepidoptera	Noctuidae	fr, sh
<i>Helopeltis bergrothi</i> Reuter	Hemiptera	Miridae	fr, sh
<i>Leucinodes orbonalis</i> Gn.	Lepidoptera	Pyralidae	fr, sh
<i>Mustius serrulatus</i> Bolivar	Orthoptera	Tettigoniidae	f
<i>Nezara viridula</i> (L.)	Heteroptera	Pentatomidae	l
<i>Niphobleta niveosparsa</i> Kraatz	Coleoptera	Scarabaeidae	f, fr, l, s
<i>Odontotermes</i> spp.	Isoptera	Termitidae	s

<i>Oligonychus gossypii</i>	Acarina	Tetranychidae	l
<i>Oothea mutabilis</i> (Sahlberg)	Coleoptera	Galerucidae	l
<i>Pachnoda cordata</i> (Drury)	Coleoptera	Cetoniidae	f, fr, l, s
<i>Pachnoda marginella</i> (Fab.)	Coleoptera	Cetoniidae	f, fr, l, s
<i>Phaneroptea nana sparsa</i> Stal	Orthoptera	Tettigoniidae	f, l
<i>Plusia signata</i> F.	Lepidoptera	Noctuidae	l
<i>Riptortus tenuicornis</i> Dall	Heteroptera	Coreidae	fr, sh
<i>Ruspolia</i> spp.	Orthoptera	Tettigoniidae	l, f
<i>Sagra amethystina</i> Guer	Coleoptera	Sagridae	l, s
<i>Sceliodes laissalis</i> Walker	Lepidoptera	Pyralidae	fr
<i>Scrobipalpa blapsigona</i> (Meyr)	Lepidoptera	Gelechiidae	f
<i>Selepa docilis</i> Butler	Lepidoptera	Noctuidae	l
<i>Smaragdesthes africana</i> (Drury)	Coleoptera	Cetoniidae	f, fr, l, s
<i>Spodoptera littoralis</i> (Boisd.)	Lepidoptera	Noctuidae	l
<i>Syntomis cerberana</i> Strand	Lepidoptera	Syntomidae	l
<i>Tetranychus</i> spp.	Acarina	Tetranychidae	l
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr, l sh
<i>Thaumatotibia leucotreta</i>	Lepidoptera	Tortricidae	l, fr, sh
<i>Thrips tabaci</i>	<b>Thysanoptera</b>	<b>Thripidae</b>	<b>1</b>
<i>Thrips palmi</i> ?	Thysanoptera	Thripidae	fr
<i>Trilophidia conturbata</i> (Walker)	Orthoptera	Acrididae	l, sh
<i>Urentius hystricellus</i> Richter	Heteroptera	Tingidae	l
<i>Virachola lorisona</i> Hew.	Lepidoptera	Lycaenidae	l
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	l, sh

### Pepper (*Capsicum* spp.)

<i>Acanthocoris</i> sp.	Heteroptera	Coreidae	fr, sh
<i>Aphis craccivora</i>	Homoptera	Aphididae	l
<i>Aleurodicus dispersus</i>	Homoptera	Aleyrodidae	l
<i>Bactrocera dorsalis</i>	Diptera	Tephritidae	fr
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Catanopsilus taeniolatus</i> (Karsch)	Orthoptera	Acrididae	l
<i>Cetonia aurata</i> L.	Coleoptera	Scarabaeidae	l
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i>	Diptera	Tephritidae	fr
<i>Chirista compta</i> Walker	Orthoptera	Acrididae	l
<i>Cletomorpha lancegera</i> F.	Heteroptera	Miridae	fr, sh
<i>Dysmicoccus brevipes</i> (Ckll)	Hemiptera	Pseudococcidae	l, sh, fr
<i>Helopeltis bergrothi</i> Reut.	Heteroptera	Miridae	l, s
<i>Lema</i> spp.	Coleoptera	Crioceridae	l, sh
<i>Lyriomyza brassicae</i>	Diptera	Agromyzidae	l
<i>Myzus persicae</i> (Sulz)	Homoptera	Aphididae	l
<i>Nezara viridula</i> (L.)	Heteroptera	Pentatomidae	l
<i>Odontotermes</i> spp.	Isoptera	Termitidae	s
<i>Oothea mutabilis</i> Sahib.	Coleoptera	Galerucidae	l
<i>Podagrica</i> spp.	<b>Coleoptera</b>	<b>Chrysomelidae</b>	<b>l</b>
<i>Solenopsis invicta</i>	<b>Hymenoptera</b>	<b>Formicidae</b>	<b>l</b>
<i>Spodoptera littoralis</i> (Boisd.)	<b>Lepidoptera</b>	<b>Tortricidae</b>	<b>f</b>
<i>Phenacoccus</i> spp.	<b>Homoptera</b>	<b>Pseudococcidae</b>	<b>l, sh, fr</b>
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr, l sh
<i>Thaumatotibia leucotreta</i>	Lepidoptera	Tortricidae	f

### Stored pepper (dried) pests

<i>Carpophilus</i> spp.	Coleoptera	Nitidulidae	sd
<i>Corcyra cephalonica</i> (Stainton)	Lepidoptera	Pyralidae	sd
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Gelechiidae	sd
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	sd
<i>Tribolium castaneum</i> (Herbst)	Coleoptera	Tenebrionidae	sd

<i>Tribolium confusum</i>	Coleoptera	Tenebrionidae	sd
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**Onions and shallots (*Allium* spp. )**

<b><i>Delia antiqua</i></b>	<b>Diptera</b>	<b>Anthomyiinae</b>	<b>l</b>
<i>Epicauta bilineata</i> (Hag)	Coleoptera	Meloidae	l
<i>Spodoptera littoralis</i> (Boisd.)	Lepidoptera	Noctuidae	l
<i>Thrips tabaci</i> Linn.	Thysanoptera	Thripidae	l

**Okro/ Okra *Abelmoschus (Hibiscus) esculentus (L.)***

**Moench**

<i>Anomis (Cosmophila) flava</i> (Fab)	Lepidoptera	Noctuidae	l
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh
<i>Aphis gossypii</i> (Glover)	Homoptera	Aphididae	b
<i>Chasmina camilla</i> Druce	Lepidoptera	Noctuidae	l
<i>Cryptophlebia</i> spp.	Lepidoptera	Tortricidae	fr
<i>Dysdercus supersticiosus</i> (F).	Heteroptera	Pyrrhocoridae	fr
<i>Earias biplaga</i> (Wlk.)	Lepidoptera	Noctuidae	fr
<i>Empoasca</i> spp.	Homoptera	Cicadellidae	l
<i>Halymorpha annulicornis</i> Sign.	Heteroptera	Pentatomidae	l, fr
<b><i>Helicoverpa armigera</i></b>	<b>Lepidoptera</b>	<b>Noctuidae</b>	<b>l, fr</b>
<i>Lagria cuprina</i> Thoms.	Coleoptera	Lagriidae	l
<i>Lagria villosa</i> Fab.	Coleoptera	Lagriidae	l
<i>Leucinodes orbonalis</i> Gn	Lepidoptera	Noctuidae	l, fr
<i>Mecysolobus (Alcidodes) crassirotris</i>	Coleoptera	Curculionidae	s
<i>Myzus persicae</i> (Sulzer)	Homoptera	Aphididae	l
<i>Nezara viridula</i> ( L.)	Heteroptera	Pentatomidae	fr, l
<i>Nisotra sjostedti</i> (Jac.)	Coleoptera	Halticidae	l
<i>Oecanthus</i> spp.	Orthoptera	Gryllidae	l
<i>Oothea mutabilis</i> Sahib.	Coleoptera	Galerucidae	l
<i>Oxycarenus</i> spp.	Heteroptera	Lygaeidae	fr
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Riptortus tenuicornis</i> Dall	Heteroptera	Coreidae	fr, sh
<i>Scirtothrips aurantii</i>	Thysanoptera	Thripidae	f
<i>Spodoptera littoralis</i> Boisd.	Lepidoptera	Noctuidae	l
<b><i>Spodoptera frugiperda</i></b>	<b>Lepidoptera</b>	<b>Noctuidae</b>	<b>l,sh,</b>
<i>Syagrus calcaratus</i> (F.)	Coleoptera	Eumolpidae	l
<i>Sylepta derogata</i> (F.)	Lepidoptera	Pyralidae	l

**Stored okro (dried) pests**

<i>Carpophilus</i> spp.	Coleoptera	Nitidulidae	sd
<i>Corcyra cephalonica</i> (Stainton)	Lepidoptera	Pyralidae	sd
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Gelechiidae	sd
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	sd
<b><i>Tribolium confusum</i></b>			<b>sd</b>

**Lettuce (*Lactuca sativa* Linn.)**

<i>Plusia orichalcea</i> (F.)	Lepidoptera	Noctuidae	l
<i>Anomis (Cosmophila) flava</i> (Fab)	Lepidoptera	Noctuidae	l
<b><i>Zonoceru variegatus</i></b>	<b>Orthoptera</b>	<b>Pyrgomorphidae</b>	<b>l</b>
<b><i>Podagrica</i> spp.</b>	<b>Coleoptera</b>	<b>Chrysomelidae</b>	<b>l</b>

**Cauliflower (*Brassica oleracea var Botrytis* L.)**

<i>Appias epaphia</i> Cram	Lepidoptera	Pieridae	l
<i>Diacrisia investigatorum</i> (Karsch)	Lepidoptera	Arctiidae	l
<i>Hellula undalis</i> (F.)	Lepidoptera	Pyralidae	l
<i>Hymenia recurvalis</i> (F.)	Lepidoptera	Pyralidae	l
<i>Plutella xylostella</i> (L.)	Lepidoptera	Plutellidae	l
<i>Spodoptera littoralis</i> (Boisd.)	Lepidoptera	Noctuidae	l

**Cabbage (*Brassica oleracea* var *Capitata* L.)**

<i>Agrotiis ipsilon</i> Rottenburg	Lepidoptera	Noctuidae	l
<i>Allogista serricorne</i> Klbe.	Coleoptera	Alleculidae	s
<i>Amauris psyttalea</i> Pltz.	Lepidoptera	Nymphalidae	l
<i>Aphis gossypii</i> Glover	Homoptera	Aphididae	l
<i>Appias epaphia</i> Cram.	Lepidoptera	Pieridae	l
<i>Bemisia tabaci</i> Genn	Homoptera	Aleyrodidae	l
<i>Brachytrupes membranaceus</i> Drury	Orthoptera	Gryllidae	s, l
<i>Brevicoryne brassicae</i> (L.)	Homoptera	Aphididae	l
<i>Crocidolomia binotalis</i> (Zell)	Lepidoptera	Pyralidae	l
<i>Diacrisia investigatorum</i> (Karsch)	Lepidoptera	Arctiidae	l
<i>Gymnogryllus lucens</i> (Wlk)	Orthoptera	Gryllidae	s
<i>Helicoverpa armigera</i> (Hb)	Lepidoptera	Noctuidae	l
<i>Hellula undalis</i> (F.)	Lepidoptera	Pyralidae	l
<i>Hymenia recurvalis</i> (F.)	Lepidoptera	Pyralidae	l
<i>Lagria villosa</i> F.	Coleoptera	Lagriidae	l
<i>Lipaphis erysimi</i>	Hemiptera	Aphididae	l
<i>Myzus persicae</i> (Sulz.)	Homoptera	Aphididae	l
<i>Phyllotreta striolata</i> Fab.	Coleoptera	Chrysomelidae	l
<i>Plusia signata</i> F.	Lepidoptera	Noctuidae	l
<i>Plutella xylostella</i> (L.)	Lepidoptera	Plutellidae	l
<i>Spodoptera littoralis</i> (Boisd.)	Lepidoptera	Noctuidae	l
<i>Trichoplusia ni</i> Hubner	Lepidoptera	Geometridae	l
<i>Trilophidia</i> sp.	Orthoptera	Acrididae	l
<i>Acherontia atropus</i>	Lepidoptera	Sphingidae	l

**Cucumber (*Cucumis sativus* Linn.)**

<i>Aleurodicus dispersus</i> Russel	Homoptera	Aleyrodidae	l
<i>Apomecyna paru punctata</i> Chevr	Coleoptera	Cerambycidae	s
<i>Asbecesta capensis</i> Allard	Coleoptera	Chrysomelidae	l
<i>Asbecesta cyanipennis</i>	Coleoptera	Chrysomelidae	l
<i>Aulacophora foveicollis</i> (Lucas)	Coleoptera	Chrysomelidae	l
<i>Zeugodacus(=Bactrocera)cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Baris</i> spp.	Coleoptera	Curculionidae	s
<i>Bemisia tabaci</i> (Gennadius)	Hemiptera	Aleyrodidae	l
<i>Dacus armatus</i> F.	Diptera	Tephritidae	fr
<i>Dacus bivittatus</i> (Bigot)	Diptera	Tephritidae	fr
<i>Dacus ciliatus</i> (Loew)	Diptera	Tephritidae	fr
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<i>Dacus vertebratus</i> Bezzi	Diptera	Tephritidae	fr
<i>Epilachna chrysomelina</i> (F.)	Coleoptera	Coccinellidae	l
<i>Leptoglossus membranaceus</i> F.	Hemiptera	Coreidae	l
<i>Liriomyza trifolii</i> (Burgess)	Diptera	Agromyzidae	l

**Water leaf, Ceylon spinach (*Talinum triangulare*)**

<i>Myzus persicae</i> (Sulzer)	Homoptera	Aphididae	l
<i>Liriomyza trifolii</i> (Burgess)	Diptera	Agromyzidae	l

**Alayfu (*Amaranthus* spp.)**

<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Gennadius)	Hemiptera	Aleyrodidae	l
<i>Hypolixus rhomboidalis</i> Boheman	Coleoptera	Curculionidae	s
<i>Liriomyza</i> spp.	Diptera	Opomyzoidae	l
<i>Nisotra sjostedti</i> (Jac.)	Coleoptera	Halticidae	l
<i>Ootheca mutabilis</i> Sahib.	Coleoptera	Galerucidae	l
<i>Podagriscia uniformis</i> (Jac.)	Coleoptera	Halticidae	l

**Tinda, Indian squash (*Praecitrullus fistulosus*)**



<i>Acalymma</i> spp.	Coleoptera	Chrysomelidae	l
<i>Agrotis</i> spp.	Lepidoptera	Noctuidae	l
<i>Anasa tristis</i> (Degeer)	Hemiptera	Coreidae	l
<i>Aphis gossypii</i>	Hemiptera	Aphididae	l
<i>Aulacophora foveicollis</i>	Coleoptera	Chrysomelidae	l
<i>Zeugodacus(=Bactrocera)cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Dacus bivittatus</i> (Bigot)	Diptera	Tephritidae	fr
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<i>Diabrotica</i> spp.	Coleoptera	Chrysomelidae	l
<i>Epilachna</i> spp.	Coleoptera	Coccinellidae	l
<i>Frankliniella occidentalis</i> (Pergande)	Thysanoptera	Thripidae	l, sh, fr, fl
<i>Liriomyza</i> spp.	Diptera	Opomyzoidae	l
<i>Myzus persicae</i>	Hemiptera	Aphididae	l
<i>Tetranychus urticae</i> Koch	Acarina	Tetranychidae	fr, l, sh
<b>Bitter melon/African cucumber (<i>Momordica charantia</i>)</b>			
<i>Bemisia tabaci</i>	Hemiptera	Aleyrodidae	l
<i>Thrips palmi</i> ?	Thysanoptera	Thripidae	fr, f
<i>Dacus bivittatus</i> (Bigot)	Diptera	Tephritidae	fr
<i>Dacus ciliatus</i> (Loew)	Diptera	Tephritidae	fr
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<i>Dysdercus superstitionis</i> (Fabricius)	Hemiptera	Pyrrhocoridae	1
<b>Bitter Leaf (<i>Vernonia amygdalina</i>)</b>			
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i>	Hemiptera	Aleyrodidae	l
<b>Taro (<i>Colocasia</i>)</b>			
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i>	Hemiptera	Aleyrodidae	l
<i>Dysmicoccus brevipes</i> (Cockerell)	Hemiptera	Pseudococcidae	
<i>Eurymerodesmus</i> spp.	Polydesmida	Eurymerodesmidae	l
<i>Ferrisia virgata</i> (Cockerell)	Homoptera	Pseudococcidae	l
<i>Pentalonia nigronervosa</i> Coq	Hemiptera	Aphididae	l
<i>Ferrisia virgata</i> (Cockerell)	Hemiptera	Pseudococcidae	l,sh
<i>Phenacoccus citri</i> (Risso)	Hemiptera	Pseudococcidae	l,sh
<i>Stomphastis thraustica</i> (Meyr)	Lepidoptera	Gracillariidae	l
<b>Cocoyam (<i>Xanthosoma</i> spp) leaves</b>			
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Dysmicoccus brevipes</i> (Cockerell)	Hemiptera	Pseudococcidae	
<i>Eurymerodesmus</i> spp.	Polydesmida	Eurymerodesmidae	l
<i>Ferrisia virgata</i> (Cockerell)	Hemiptera	Pseudococcidae	l
<b>Roselle (<i>Hibiscus sabdariffa</i> var. <i>altissima</i>)</b>			
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l, fl
<i>Dysdercus cingulatus</i>	Heteroptera	Pyrrhocoridae	l
<i>Icerya purchasi</i>	Hemiptera	Monoplebidae	l, s
<i>Maconellicoccus hirsutus</i>	Hemiptera	Pseudococcidae	l, s
<i>Nisotra sjostedti</i> (Jac.)	Coleoptera	Halticidae	l
<i>Paracoccus marginatus</i> Williams and Granara de Willink	Hemiptera	Pseudococcidae	l, fl,fr,sh
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l

**African basil (*Ocimum gratissimum*)*****Aleurodicus dispersus***

<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Coccus viridis</i>	Hemiptera	Coccidae	l

**Sweet Basil (*Ocimum basilicum*)*****Aleurodicus dispersus***

<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Coccus viridis</i>	Homoptera	Coccidae	

**Fluted pumpkin (*Telfairia occidentalis*)*****Aleurodicus dispersus***

<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Dacus</i> spp.	Diptera	Tephritidae	fr
<i>Bactrocera dorsalis</i>	Diptera	Tephritidae	fr

**Vegetable jute (*Corchorus olitorius*)**

<i>Aleurodicus dispersus</i> Russel	Homoptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Spodoptera littoralis</i>	Lepidoptera	Noctuidae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Nisotra sjostedti</i> (Jac.)	Coleoptera	Halticidae	l
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr,l sh

**Cassava (*Manihot esculenta*) leaf**

<i>Aleurodicus dispersus</i> Russel	Hemiptera	Aleyrodidae	l
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh
<i>Aonidomytilus albus</i> (Ckll.)	Homoptera	Diaspididae	s
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Clytria fasciata</i> F	Coleoptera	Clytridae	l
<i>Ferrisia virgata</i> (Ckll.)	Hemiptera	Pseudococcidae	sh,l
<i>Lagria cuprina</i> Thoms.	Coleoptera	Lagriidae	l
<i>Lagria villosa</i> Fab.	Coleoptera	Lagriidae	l
<i>Mononychelus tanajoa</i> (Bondar)	Prostigmata	Tetranychidae	l
<i>Oligonychus gossypii</i> (Zacher)	Acarina	Tetranychidae	l
<i>Phenacoccus maiderensis</i> Green	Hemiptera	Pseudococcidae	1,sh
<i>Phenacoccus manihoti</i> (Mat-Ferr)	Hemiptera	Pseudococcidae	l,sh
<i>Tetranychus telarius</i>	Acarina	Tetranychidae	l
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr,l sh
<i>Zabalius lineolatus</i> (stal.)	Orthoptera	Tettigoniidae	l
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	1,sh

**Turia (*Luffa acutangula*)**

<i>Zeugodacus</i> (= <i>Bactrocera</i> ) <i>cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Bactrocera dorsalis</i>	Diptera	Tephritidae	fr
<i>Thrips tabaci</i>	Thysanoptera	Thripidae	f
<i>Thrips palmi</i> ?	Thysanoptera	Thripidae	f
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr

**Chia (*Salvia sp.*)**

<i>Aleurodicus dispersus</i> Russel	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l

**Sweet potato (*Ipomoea batatas*)leaf**

<i>Acraea acerata</i> Hew	Lepidoptera	Nymphalidae	1
<i>Acraea egina</i>	Lepidoptera	Nymphalidae	l
<i>Alcidodes</i> spp.	Coleoptera	Curculionidae	s
<i>Agrius convolvuli</i> (L.)	Lepidoptera	Sphingidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l

*Helopeltis bergrothi* Reut.

Heteroptera

Miridae

**Mint (*Mentha* spp.)**

*Aleurodicus dispersus*

|

Hemiptera

Aleyrodidae

|

Hemiptera

Aleyrodidae

|

Key

f = flower fr = fruit frp = fruit piecer l = leaf s = stem

sh = shoot r = root

tu = tuber seed = sd

NB. Thrips palmi on bitter lemon, turia and eggplant/aubergines has a question mark against it because it has not yet been determined in Ghana.



## FRUITS

### Citrus spp.

#### Organism

#### Order

#### Family

#### Part Attacked

<i>Aburina sobrina</i> Mosch.	Lepidoptera	Noctuidae	frp
<i>Aburina leucocharagma</i> Hmps.	Lepidoptera	Noctuidae	frp
<i>Achaea albicilia</i> Btlr.	Lepidoptera	Noctuidae	frp
<i>Achaea albifimbria</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Achaea boris</i> (Geyer)	Lepidoptera	Noctuidae	frp
<i>Achaea catocalides</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea echo</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl	Lepidoptera	Noctuidae	frp
<i>Achaea finita</i> Gn,	Lepidoptera	Noctuidae	frp
<i>Achaea indicabilis</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> (Boisd.)	Lepidoptera	Noctuidae	frp
<i>Achaea mabillii</i> (Saalm)	Lepidoptera	Noctuidae	frp
<i>Achaea mercotoria</i> (F.)	Lepidoptera	Noctuidae	frp
<i>Adynata exilis</i> Borch.	Coleoptera	Lagriidae	l
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l
<i>Annua mejanesi</i> Guen.	Lepidoptera	Noctuidae	frp
<i>Annua producta</i> (Holl)	Lepidoptera	Noctuidae	rp
<i>Annua tirschaca</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Anomis (Cosmophila) flava</i> (F)	Lepidoptera	Noctuidae	frp
<i>Anomis endochlora</i> Hmps.	Lepidoptera	Noctuidae	frp
<i>Anomis leona</i> (schaus)	Lepidoptera	Noctuidae	frp
<i>Anomis microdonta</i> Hmps.	Lepidoptera	Noctuidae	frp
<i>Anticarsia irrorata</i> F.	Lepidoptera	Noctuidae	frp
<i>Aphis maidis</i> Fitch	Homoptera	Aphididae	sh,l
<i>Atelocera raptorial</i> Germ.	Heteroptera	Pentatomidae	frp
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Caligatus angasi</i> Wing	Lepidoptera	Noctuidae	frp
<i>Calpe imperialis</i> Grunb	Lepidoptera	Noctuidae	frp
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis breinii</i> Guerin-Meneville	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Weidemann)	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Ceratitis ditissima</i> (Munro)	Diptera	Tephritidae	fr
<i>Ceratitis punctata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis quinaria</i> (Bezzi)	Diptera	Tephritidae	fr
<i>Ceratitis silvestrii</i> Bezzi	Diptera	Tephritidae	fr
<i>Cercyonia citri</i> Bryan	Coleoptera	Halticidae	l
<i>Cocytodes maura</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Cocytodes melanis</i> Mab.	Lepidoptera	Noctuidae	frp
<i>Colbusa euclidica</i> Wlk	Lepidoptera	Noctuidae	frp
<i>Cyligramma amblyops</i> Mab	Lepidoptera	Noctuidae	frp
<i>Cyligramma fluctuosa</i> (Drury)	Lepidoptera	Noctuidae	frp
<i>Cyligramma latona</i> (Cram)	Lepidoptera	Noctuidae	frp
<i>Cyligramma simplex</i> Grunb.	Lepidoptera	Noctuidae	frp
<i>Cyligramma sp.</i>	Lepidoptera	Noctuidae	frp
<i>Dermaleipa metaphaea</i> Hmps.	Lepidoptera	Noctuidae	frp
<i>Dermaleipa parallelipipeda</i> Guen.	Lepidoptera	Noctuidae	frp
<i>Dermaleipa rubricate</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Devana atmifera</i> Wlk	Lepidoptera	Noctuidae	frp
<i>Distantiella theobroma</i> (Dist)	Heteroptera	Miridae	s
<i>Enmonodia allardi</i> (Oberth)	Lepidoptera	Noctuidae	frp
<i>Enmonodia capensis</i> Herr.-Schaf.	Lepidoptera	Noctuidae	frp
<i>Entomogramma pardus</i> Guen.	Lepidoptera	Noctuidae	frp

<i>Ercheia subsignata</i> (Wlk)	Lepidoptera	Noctuidae	frp
<i>Ericeia sobria</i> Wlk	Lepidoptera	Noctuidae	frp
<i>Euxanthe eurinome</i> Cr.	Lepidoptera	Nymphalidae	frp
<i>Facidia vacillans</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Ferrisia virgata</i> (Ckll.)	Hemiptera	Pseudococcidae	sh,l
<i>Giria angulate</i> B-Bkr	Lepidoptera	Noctuidae	frp
<i>Gorua partita</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Gracilodes</i> sp.	Lepidoptera	Noctuidae	frp
<i>Halymorpha</i> sp.	Heteroptera	Pentatomidae	sh,l
<i>Haptoncus dispersus</i> Grouv	Coleoptera	Nitidulidae	frb
<i>Heliophisma catocalina</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Heliophisma klugii</i> (Boisd)	Lepidoptera	Noctuidae	frp
<i>Heliophisma xanthoptera</i> (Hmps)	Lepidoptera	Noctuidae	frp
<i>Homoeocerus pallens</i> (F)	Heteroptera	Coreidae	frp
<i>Imbrasia</i> sp.	Lepidoptera	Noctuidae	frp
<i>Lacera alope</i> Stoll	Lepidoptera	Noctuidae	frp
<i>Lagoptera occidens</i> Hmps	Lepidoptera	Noctuidae	frp
<i>Lepidosaphes beckii</i> (Newm.)	Homoptera	Diaspididae	l,sh
<i>Leptoglossus australis</i> (F)	Heteroptera	Coreidae	frp
<i>Leptoglossus</i> sp.	Heteroptera	Coreidae	frp
<i>Libythea labdaea</i> Westw.	Lepidoptera	Libytheidae	frp
<i>Liriomyza cercymia</i> (Hew).	Diptera	Agromyzidae,	l
<i>Mallodon downesi</i> Hope	Coleoptera	Prionidae	s
<i>Mimopacha garstaeckerii</i> Dewitz	Lepidoptera	Lasiocampidae	l
<i>Miniodes discolor</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Miniodes maculifera</i> Hmps	Lepidoptera	Noctuidae	frp
<i>Mocis undata</i> (F)	Lepidoptera	Noctuidae	frp
<i>Nyctipao walker</i> Btlr	Lepidoptera	Noctuidae	frp
<i>Othreis divitiosa</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Othreis fullonia</i> (Clerck)	Lepidoptera	Noctuidae	frp
<i>Othreis maternal</i> (L)	Lepidoptera	Noctuidae	frp
<i>Pachnoda cordata</i> (Drury)	Coleoptera	Cetoniidae	sh
<i>Papilio demodecus</i> Esp.	Lepidoptera	Papilionidae	l
<i>Papilio nireus</i> L.	Lepidoptera	Papilionidae	l
<i>Parabemisia myricae</i>	Homoptera	Aleyrodidae	l, fr
<i>Parachalciope deltifera</i> Feld.	Lepidoptera	Noctuidae	frp
<i>Parallelia algira</i> (L).	Lepidoptera	Noctuidae	frp
<i>Parallelia palpalis</i> (Wlk)	Lepidoptera	Noctuidae	frp
<i>Parallelia palumboides</i> (Hmps)	Lepidoptera	Noctuidae	frp
<i>Parallelia pudica</i> Moschl.	Lepidoptera	Noctuidae	frp
<i>Parallelia</i> spp.	Lepidoptera	Noctuidae	frp
<i>Pedinorrhina median a</i> (Westw.)	Coleoptera	Cetoniidae	s,l
<i>Pericyma mendax</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Plaesiorrhina recurva</i> (F.)	Coleoptera	Cetoniidae	s
<i>Plaesiorrhina swanzyana</i> Schaum.	Coleoptera	Cetoniidae	l
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	fr, l, s
<i>Plusiodonta</i> sp.	Lepidoptera	Noctuidae	frp
<i>Pocadius</i> sp. near <i>africanus</i> Rtt.	Coleoptera	Nitidulidae	frp
<i>Polydesma umbricola</i> Boisd	Lepidoptera	Noctuidae	frp
<i>Pterandus</i> sp.	Diptera	Tephritidae	fr
<i>Ptilobola inornatella</i> Wals.	Lepidoptera	Tineidae	l
<i>Pyrops tenebrosus</i> F.	Homoptera	Fulgoridae	l, s
<i>Sarrothroceras alluaudi</i> Mab.	Lepidoptera	Noctuidae	frp
<i>Serica</i> sp.	Coleoptera	Scarabaeidae	l
<i>Serrodes partia</i> F.	Lepidoptera	Noctuidae	frp
<i>Serrodes trispila</i> Mab.	Lepidoptera	Noctuidae	frp
<i>Smaragdesthes africana</i> (Drury)	Coleoptera	Nitidulidae	frp
<i>Sphingomorpha chlorea</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Sypnoides equatorialis</i> (Holl).	Lepidoptera	Noctuidae	frp

<i>Tatorinia rufiperennis</i> Hmps	Lepidoptera	Noctuidae	frp
<i>Thaumatotibia leucotreta</i>	Lepidoptera	Tortricidae	l, fr, sh
<i>Tetramolium</i> spp.	Hymenoptera	Formicidae	l
<i>Tolna versicolor</i> (Wlk).	Lepidoptera	Noctuidae	frp
<i>Toxoptera aurantii</i> (Boy).	Homoptera	Aphididae	sh,l
<i>Toxoptera citricidus</i> (Kirk)	Homoptera	Aphididae	sh,l
<i>Tragocephala gorilla</i> Thoms	Coleoptera	Lamiidae	sh
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	l,sh
<i>Zophopetes cercymica</i> (Hew)	Lepidoptera	Hesperidae	frp
<i>Aphis gossypii</i>	Hemiptera	Aphididae	l
<i>Tetranychus urticae</i> Koch	Acarina	Tetranychidae	fr, l, sh
<i>Myzus persicae</i>	Hemiptera	Aphididae	l
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
<i>Aonidiella aurantii</i> Maskell	Hemiptera	Diaspididae	
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh

### **Avocado (*Persea americana* Mill.)**

<i>Aleurodicus dispersus</i> Russel	Hemiptera	Aleyrodidae	l
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis fasciventris</i> Bezzi	Diptera	Tephritidae	fr
<i>Helopeltis bergrothi</i> Reut.	Heteroptera	Miridae	fr
<i>Homoeocerus</i> spp.	Heteroptera	Coreidae	fr
<i>Planococcoides njalensis</i> (Laing)	Homoptera	Thripidae	fr, l
<i>Selenothrips rubrocinctus</i> (Giard)	Thysanoptera	Thripidae	fr, l
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh

### **Mango (*Mangifera indica* Linn.)**

<i>Achaea albicilia</i> Btlr	Lepidoptera	Noctuidae	frp
<i>Achaea catocaloides</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Achaea finita</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> (Boisd)	Lepidoptera	Noctuidae	frp
<i>Achaea mabilli</i> (Saalm)	Lepidoptera	Noctuidae	frp
<i>Achaea mercotoria</i> (F)	Lepidoptera	Noctuidae	frp
<i>Achaea mormoides</i>	Lepidoptera	Noctuidae	frp
<i>Anomis endoclora</i> Hmps.	Lepidoptera	Noctuidae	frp
<i>Anomis leona</i> (Schaus)	Lepidoptera	Noctuidae	frp
<i>Anua producta</i> (Holl.)	Lepidoptera	Noctuidae	frp
<i>Aspidiotus destructor</i> Sign	Homoptera	Diaspididae	l
<i>Aulacapsis tubercularis</i> Newst	Homoptera	Coccidae	l
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis breinii</i> Guerin-Meneville	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Ceratitis ditissima</i> (Munro)	Diptera	Tephritidae	fr
<i>Ceratitis fasciventris</i> Bezzi	Diptera	Tephritidae	fr
<i>Ceratitis punctata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis quinaria</i> (Bezzi)	Diptera	Tephritidae	fr
<i>Ceratitis rosa</i> Karsch	Diptera	Tephritidae	fr
<i>Ceratitis silvestrii</i> Bezzi	Diptera	Tephritidae	fr
<i>Cocytodes Maura</i> Holl	Lepidoptera	Noctuidae	0
<i>Coptotermes intermedius</i> Silv	Isoptera	Rhinotermitidae	s
<i>Cyligramma amblyops</i> Mab	Lepidoptera	Noctuidae	frp
<i>Cyligramma simplex</i> Grunb	Lepidoptera	Noctuidae	frp
<i>Dacus ciliatus</i>	Diptera	Tephritidae	fr

<i>Dermaleipa metaphaea</i> Hmps	Lepidoptera	Noctuidae	frp
<i>Diplognatha gagates</i> (Forst)	Coleoptera	Scarabaeidae	f
<i>Enmonodia allardi</i> (Oberth)	Lepidoptera	Noctuidae	frp
<i>Ercheia subsignata</i> (Wlk)	Lepidoptera	Noctuidae	frp
<i>Ericeia sobria</i> Wlk	Lepidoptera	Noctuidae	frp
<i>Ferrisia virgata</i> (Ckll)	Hemiptera	Pseudococcidae	l,sh
<i>Heliophisma catocalina</i> Holl	Lepidoptera	Noctuidae	frp
<i>Heliophisma klugii</i> (Boisd)	Lepidoptera	Noctuidae	frp
<i>Heliophisma xanthoptera</i> (Hmps)	Lepidoptera	Noctuidae	frp
<i>Helopeltis bergrothi</i> Reut	Heteroptera	Miridae	l,sh
<i>Hypothenemus pusillus</i> Egg	Coleopteran	Scolytidae	s
<i>Miniodes maculifera</i> Hmps	Lepidoptera	Noctuidae	frp
<i>Nyctipao wilkeri</i> Btlr	Lepidoptera	Noctuidae	frp
<i>Othreis divitiosa</i> Wlk	Lepidoptera	Noctuidae	frp
<i>Othreis fullonia</i> (Clerck)	Lepidoptera	Noctuidae	frp
<i>Othreis maternal</i> (L)	Lepidoptera	Noctuidae	frp
<i>Pachnoda marginata</i> (Drury)	Coleoptera	Cetoniidae	f
<i>Parachalciope deltifera</i> Feld	Lepidoptera	Noctuidae	frp
<i>Parallelia pudica</i> Moshcl	Lepidoptera	Noctuidae	frp
<i>Pericyma mendax</i> Wlk	Lepidoptera	Noctuidae	frp
<i>Phenacoccus maiderensis</i>	Homoptera	Pseudococcidae	l,sh
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	l, sh
<i>Pulvinaria aristolochiae</i> Newst	Homoptera	Coccidae	sh
<i>Rastrococcus invadens</i>	Homoptera	Pseudococcidae	l
<i>Selenothrips rubrocinctus</i> (Giard)	Thysanoptera	Thripidae	l
<i>Serrododes partita</i> F	Lepidoptera	Noctuidae	frp
<i>Serrododes tripsila</i> Mab	Lepidoptera	Noctuidae	frp
<i>Sternochetus mangiferae</i> (F)	Coleoptera	Curculionidae	sd
<i>Tetramolium spp.</i>	Hymenoptera	Formicidae	l
<i>Tolna sypnoides</i> (Butl)	Lepidoptera	Noctuidae	frp

#### **Stored (dried) mango pests**

<i>Cryptorhynchus sp</i>	Coleoptera	Curculionidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	fr
<i>Prostephanus truncatus</i> (Horn)	Coleoptera	Bostrichidae	fr

#### **Pawpaw (*Carica papaya* Linn.)**

<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l
<i>Aspidiotus destructor</i>	Hemiptera	Diaspididae	
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis rosa</i> Karsch	Diptera	Tephritidae	fr
<i>Gryllotalpa africana</i>	Orthoptera	Gryllotalpidae	r,s,wh
<i>Coccus hesperidum</i> L	Hemiptera	Coccidae	l, ,fr,sh
<i>Helopeltis bergrothi</i> Reut.	Heteroptera	Miridae	fr
<i>Howardia biclavis</i> (Comst)	Homoptera	Cocciidae	fr sh
<i>Morganella longispina</i> Morg.	Homoptera	Diaspididae	fr, l
<i>Oligonychus spp</i>	Acarina	Tetranychidae	l
<i>Rastrococcus invadens</i>	Hemiptera	Pseudococcidae	l,sh,fr
<i>Tetranychus spp</i>	Acarina	Tetranychidae	l
<i>Parasaissetia nigra</i>	Hemiptera	Coccidae	l,fr,sh
<i>Paracoccus marginatus</i> Williams and Granara de Willink	Hemiptera	Pseudococcidae	l, fl,fr,sh
<i>Pseudococcus longispinus</i> Westwood	Hemiptera	Pseudococcidae	l, fl,fr,sh
<i>Pseudaulacaspis sp.</i>	Hemiptera	Coccidae	fr,sh
<i>Zonocerus variegatus</i>	Orthoptera	Pyrgomorphidae	l

#### **Pineapple (*Ananas comosus*) (L). Merv.**

<i>Dysmicoccus brevipes</i> (Ckll.)	Hemiptera	Pseudococcidae	l,r
<i>Icerya purchasi</i>	Hemiptera	Margarodidae	l
<i>Planococcus citri</i> (Risso)	Hemiptera	Pseudococcidae	r
<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Pseudococcidae	r
<i>Thrips tabaci</i>	Thysanoptera	Thripidae	l
<i>Hanseniella</i> sp (Symphilitids)	Symphyla	Scutigereillidae	
<i>Zonocerus variegatus</i>	Orthoptera	Pyrgomorphidae	l

### **Banana and Plantain (*Musa spp.*)**

<i>Achaea</i> spp.	Lepidoptera	Noctuidae	frp
<i>Adoretus umbrosus</i> (F.)	Coleoptera	Scarabaeidae	l
<i>Aleurodicus dispersus</i>	Hemiptera	Tephritidae	l
<i>Aspidiotus destructor</i>	Hemiptera	Diaspididae	l,
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Cosmopolites sordidus</i> (Germ.)	Coleoptera	Curculionidae	rh
<i>Dysmicoccus brevipes</i> (Ckll.)	Hemiptera	Pseudococcidae	l,r
<i>Ferrisia virgata</i> (Ckll)	Hemiptera	Pseudococcidae	fr
<i>Hercinothrip bicinctus</i>	Thysanoptera	Thripidae	fr, l
<i>Helopeltis bergrothi</i> Reut.	Heteroptera	Miridae	fr, st,
<i>Ischnaspis longirostris</i>	Hemiptera	Diaspididae	l,sh
<i>Macrotermes</i> spp.	Isoptera	Termitidae	s,r
<i>Othreis fullonia</i> (Clerk)	Lepidoptera	Noctuidae	frp
<i>Pentalonia nigronervosa</i> Coq.	Homoptera	Aphididae	l, fr
<i>Spodoptera littoralis</i>	Lepidoptera	Noctuidae	l
<i>Stictococcus sjostedti</i> Ckll.	Homoptera	Pseudococcidae	fr
<i>Thrips florum</i>	Thysanoptera	Thripidae	fl, fr
<i>Rastrococcus invadens</i>	Hemiptera	Pseudococcidae	fr,l
<i>Tetranychus</i> spp.	Acarina	Tetranychidae	l
<i>Zonoceru variegatus</i>	Orthoptera	Pyrgomorphidae	l

### **Stored Musa pests**

<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribiidae	fr, sd
<i>Carpophilus dimidiatus</i> (Fabricius)	Coleoptera	Nitidulidae	l
<i>Cryptolestes pusillus</i> (Schonherr)	Coleoptera	Laemophloeidae	sd
<i>Dinoderus</i> spp.	Coleoptera	Bostrichidae	fr, sd
<i>Drosophila melanogaster</i> Meigen	Diptera	Drosophilidae	fr
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	fr, sd
<i>Oryzaephilus surinamensis</i>	Coleoptera	Silvanidae	sd
<i>Prostephanus truncatus</i> (Horn)	Coleoptera	Bostrichidae	fr, sd
<i>Rhyzopertha dominica</i> (F.)	Coleoptera	Bostrichidae	fr, sd

### **Cashew (*Anarcadium occidentale* Linn.)**

<i>Analeptes trifasciata</i> Fabr.	Coleoptera	Cerambycidae	gd,s
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Helopeltis</i> spp.	Heteroptera	Miridae	f,sh
<i>Leptoglossus australis</i> (F.)	Heteroptera	Coreidae	fr, sh
<i>Nezara viridula</i> (L.)	Heteroptera	Pentatomidae	l, fr
<i>Myzus persicae</i> (Sulz.)	Homoptera	Aphididae	l
<i>Apate dispar</i> Fahraeus	Coleoptera	Bostrichidae	st
<i>Apate terebrans</i>	Coleoptera	Bostrichidae	st
<i>Xylocopa</i> spp.	Hymenoptera	Apidae	fl,l
<i>Riptortus</i> spp.	Hemiptera	Alydidae	fr, sh
<i>Thrips</i> spp.	Thysanoptera	Thripidae	l

**Oligonychus spp.****Trombidiformes****Tetranychidae****I****Guava (*Psidium guajava* Linn.)**

<i>Achaea albicillia</i> Btlr.	Lepidoptera	Noctuidae	frp
<i>Achaea albifimbria</i> Walk.	Lepidoptera	Noctuidae	frp
<i>Achaea boris</i> (Geyer)	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Achaea finite</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> (Boisd.)	Lepidoptera	Noctuidae	frp
<i>Achaea mercotoria</i> (F.)	Lepidoptera	Noctuidae	frp
<i>Achaea mornoides</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	fr, l
<i>Anticarsis irrorata</i> F.	Lepidoptera	Noctuidae	frp
<i>Anua david</i> (Holl)	Lepidoptera	Noctuidae	frp
<i>Anua producta</i> (Holl)	Lepidoptera	Noctuidae	frp
<b><i>Bactrocera dorsalis</i> (Hendel)</b>	<b>Diptera</b>	<b>Tephritidae</b>	<b>fr</b>
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Ceratitis fasciventris</i> Bezzi	Diptera	Tephritidae	fr
<i>Ceratitis punctata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis quinaria</i> (Bezzi)	Diptera	Tephritidae	fr
<i>Ceratitis rosa</i> Karsch	Diptera	Tephritidae	fr
<i>Coccus viridis</i> (Green)	Hemiptera	Coccidea	sh
<i>Cocytodes Maura</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Cyligramma ambylops</i> Mab.	Lepidoptera	Noctuidae	frp
<i>Cyligramma latona</i> (Cram.)	Lepidoptera	Noctuidae	frp
<i>Cyligramma simplex</i> Grunberg	Lepidoptera	Noctuidae	frp
<i>Dermaleipa metaphaea</i> Hmps	Lepidoptera	Noctuidae	frp
<i>Desmeocraera varia</i> Janse	Lepidoptera	Notodontidae	l
<i>Enmonodia capensis</i> Herr-Schaf.	Lepidoptera	Noctuidae	frp
<i>Ericcia sobria</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Ericheia subsignata</i> (Wlk)	Lepidoptera	Noctuidae	frp
<i>Facidia vacillans</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Heliophisma catocalina</i> Holl	Lepidoptera	Noctuidae	frp
<i>Heliophisma klugii</i> (Boisd.)	Lepidoptera	Noctuidae	frp
<i>Heliophisma xanthoptera</i> (Hmps)	Lepidoptera	Noctuidae	frp
<i>Helopeltis bergrothi</i> Reut.	Heteroptera	Miridae	fr
<i>Homoeocerus</i> sp.	Heteroptera	Coreidae	fr
<i>Icerya nigroareolata</i> Newst	Homoptera	Magarodidae	sh,s,fr
<i>Miniodes discolor</i> Gnc.	Lepidoptera	Noctuidae	frp
<i>Miniodes maculifera</i> Hmps	Lepidoptera	Noctuidae	frp
<i>Mocis undata</i> (F.)	Lepidoptera	Noctuidae	frp
<i>Nyctipao walkeri</i> Btlr	Lepidoptera	Noctuidae	frp
<i>Othresis divitiosa</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Othresis fullonia</i> (Clerk)	Lepidoptera	Noctuidae	frp
<i>Parachalciope deltifera</i> Feld	Lepidoptera	Noctuidae	frp
<i>Parallelia pudica</i> Moschler	Lepidoptera	Noctuidae	frp
<i>Pericyma mendax</i> Wlk	Lepidoptera	Noctuidae	frp
<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Pseudicoccidae	l,sh,fr
<i>Pulvinaria africana</i> Newst	Hemiptera	Coccidae	l,sh,fr
<i>Saissetia nigra</i> (Nitn.)	Hemiptera	Coccidae	l,sh,fr
<i>Selenothrips rubrocinctus</i> (Giard)	Thysanoptera	Thripidae	l
<i>Serrododes partita</i> F.	Lepidoptera	Noctuidae	frp
<i>Serrododes trispila</i> Mab.	Lepidoptera	Noctuidae	frp
<i>Synpoides equatorialis</i> (holl.)	Lepidoptera	Noctuidae	frp
<i>Tolna versicolor</i> (Wlk.)	Lepidoptera	Noctuidae	frp

**Passion fruit (*Passiflora edulis* Sims)**



*Aphis craccivora*

Hemiptera

Aphididae

l

**Curcubits and Citrullus (Melons and Squashes)**

*Anoplocnemis curvipes* (Fabricius)

Heteroptera

Coreidae

s,fr

*Asbecesta capensis* All.

Coleoptera

Chrysomelidae

l

*Asbecesta cyannipennis* Har

Coleoptera

Galerucidae

l

*Aulacophora foveicollis* (Lucas)

Coleoptera

Galerucidae

l

*Zeugodacus(=Bactrocera)cucurbitae*

Diptera

Tephritidae

fr

*Bactrocera dorsalis*

Diptera

ephritidae

fr

*Dacus armatus* F.

Diptera

Tephritidae

fr

*Dacus bivittatus*

Diptera

Tephritidae

fr

*Dacus vertebratus*

Diptera

Tephritidae

fr

*Eurymerodesmus* spp.

Polydesmida

Eurymerodesmidae

l

*Bemisia tabaci* (Genn.)

Hemiptera

Aleyrodidae

l

*Aleurodicus dispersus* Russel

Hemiptera

Aleyrodidae

l

**Bottle gourd (*Lagenaria siceraria*)**

*Zeugodacus(=Bactrocera)cucurbitae*

Diptera

Tephritidae

fr

(Cocuillett)

*Dacus bivittatus*

Diptera

Tephritidae

fr

*Dacus ciliatus*

Diptera

Tephritidae

fr

**Key**

F = flower fr = fruit frb = fruit borer frp

= fruit piercer L = leaf rh = rhizome s

= stem

girdler=gd

## COMMON NAMES OF PESTS

African armyworm	<i>Spodoptera exempta</i>
African Black weevil	<i>Heteronychus arator</i>
African bollworm	<i>Helicoverpa armigera</i>
African mole cricket	<i>Gryllotalpa africana</i> (L.)
African Palm Weevil	<i>Rynchophorus phoenicis</i>
African rice gall midge	<i>Orsedia oryzivora</i>
Angumois grain moth	<i>Sitotroga cerealella</i>
Aphids	<i>Aphis gossypii</i> (Glover)
Leaf footed bug	<i>Leptoglossus australis</i>
Australian spider beetle	<i>Ptinus tectus</i>
Back citrus aphid	<i>Toxoptera aurantii</i>
Bamboo powder-post beetle	<i>Dinoderus minutus</i>
Banana flower thrips	<i>Thrips florum</i>
Banana weevil	<i>Cosmopolites sordidus</i>
Bean leaf weevil	<i>Cerotoma trifurcata</i>
Black borer	<i>Apate monachus</i>
Black fungus beetle	<i>Alphitobius laevigatus</i>
Black larder beetle	<i>Demeter ater</i>
Black lime scale	<i>Ischnapsis longirostris</i>
Blue bug	<i>Calidea dregii</i>
Boxwood borer	<i>Heterobostrychus brunneus</i>
Broad-horned flour beetle	<i>Gnathocerus cornutus</i>
Brown citrus aphid	<i>Toxoptera citricidus</i>
Brown leaf beetle	<i>Ootheca mutabilis</i>
Cabbage aphid	<i>Brevicoryne brassicae</i>
Cabbage cluster caterpillar	<i>Crocidolomia binotalis</i>
Cabbage looper	<i>Trichoplusia ni</i>
Cabbage webworm	<i>Hellula undalis</i>
Cadelle beetle	<i>Tenebroides mauritanicus</i>
Carambola fruit fly	<i>Bactrocera carambolae</i> Drew & Hancock
Cassava green mite	<i>Mononychellus tanajoa</i>
Cassava mealybug	<i>Phenacoccus manihoti</i>
Cassava red mites	<i>Oligonychus gossypii</i>
Cassava scale	<i>Aonidomytilus albus</i>
Castor semi-looper	<i>Achaea junata</i>
Cigarette beetle	<i>Lasioderma serricorne</i>
Citrus mealybug	<i>Planococcus citri</i>
Citrus swallowtail butterfly	<i>Papilio demodocus</i>
Cocoa Brown capsid	<i>Sahlbergella singularis</i>
Cocoa Black capsid	<i>Distantiella theobroma</i>
Cocoa mealybug	<i>Planococcoides njalensis</i>
Cocoa mosquito bug	<i>Helopeltis begrothi</i>
Cocoa pod husk borer	<i>Characoma stictographa</i>
Cocoa psyllid	<i>Tyora tesmanni</i>
Cocoa shield bug	<i>Bathycoelia thalassina</i>
Cocoa stem borer	<i>Eulophonotus myrmeleon</i>
Coconut leafhopper	<i>Myndus adiopodomensis</i>
Coconut scale	<i>Aspidiotus destructor</i>
Coffee bean weevil	<i>Araecerus fasciculatus</i>
Coffee berry borer	<i>Hypothenemus hampei</i>
Coffee berry butterfly	<i>Virachola</i> spp.
Coffee stemborer	<i>Bixadus sierricola</i>
Coffee tailed caterpillar	<i>Epicampoptera</i> spp.
Coffee tortrix	<i>Archips occidentis</i>
Cola scale	<i>Cribolecalium colae</i>
Confused flour beetle	<i>Tribolium confusum</i>
Coreid bug (Aeroplane)	<i>Anoplocnemis curvipes</i>

Corn earworm	<i>Mussidia nigrivenella</i>
Corn sap beetle	<i>Carpophilus dimidiatus</i> (Fab.)
Cotton aphid	<i>Aphis gossypii</i>
Cotton flea beetles	<i>Podagrica</i> spp.
Cotton Helopeltis/ Mosquito bug	<i>Helopeltis schoutedeni</i>
Cotton leaf miner	<i>Acrocercops bifasciata</i>
Cotton leaf roller	<i>Sylepta derogata</i>
Cotton leafhopper	<i>Jacobiella fascialis</i>
Cotton leafworm	<i>Spodoptera littoralis</i>
Cotton lygus	<i>Taylorilygus vosseleri</i>
Cotton semi-looper	<i>Anomis (Cosmophila) flava</i>
Cotton stainer	<i>Dysdercus supersticiosus</i>
Cowpea aphid	<i>Aphis craccivora</i> (Koch)
Cowpea weevil	<i>Callosobruchus maculatus</i>
Cucumber beetle	<i>Diabrotica</i> spp.
Cucumber Strip beetle	<i>Acalymma vittatum</i> Fabricius
Cucurbit leaf beetle	<i>Aulacophora</i> spp.
Cutworms	<i>Agrotis</i> spp.
Depressed flour beetle	<i>Palorus subdepressus</i>
Diamond-back moth	<i>Plutella xylostella</i>
Diamondback moth (DBM)	<i>Plutella xylostella</i> (L.)
Dot-underwing moth,	<i>Eudocima materna</i> (Linn.)
Dried bean bruchid / Weevil	<i>Acanthoscelides obtectus</i>
Dried fruit beetle	<i>Carpophilus dimidiatus</i>
Egg plant lace bug	<i>Urentius hystricellus</i>
Egg plant shoot borer	<i>Leucinodes orbonalis</i>
Egg plant skeletonizer	<i>Selepa docilis</i>
Egg-plant fruit and shoot borer	<i>Leucinodes orbonalis</i>
Emire seed weevil	<i>Nanophyes ituriensis</i>
Emire shoot borer	<i>Tridesmodes ramiculata</i>
Epilachna beetle	<i>Epilachna similis</i> Rossi
False codling moth	<i>Thaumatotibia leucotreta</i>
Flat grain beetle	<i>Cryptolestes</i> spp.
Flower beetle	<i>Diplognatha gagates</i>
Flower budworm	<i>Scrobipalpa blapsigona</i>
Foreign grain beetle	<i>Ahasverus advena</i>
Gray pineapple mealybug	<i>Dysmicoccus neobrevipes</i> (Beardsley)
Green Grasshopper	<i>Conocephalus longipennis</i>
Green leafhopper	<i>Nephotettix</i> spp.
Green mealybug	<i>Phenacoccus maiderensis</i>
Green peach aphid	<i>Myzus persicae</i>
Green stink bug	<i>Nezera viridula</i>
Groudnut borer	<i>Caryedon serratus</i>
Guava fruit fly	<i>Bactrocera correcta</i> (Bezzi)
Indian meal moth	<i>Plodia interpunctella</i>
Iroko ball bug	<i>Phytolyma</i> spp.
Japanese bayberry whitefly	<i>Parabemisia myricae</i>
Kandy fruit fly	<i>Bactrocera kandiensis</i> Drew & Hancock
Kola fruit fly	<i>Ceratitis colae</i>
Kola leaf roller	<i>Sylepta retractalis</i>
Kola weevil	<i>Belanogastris kolae</i>
Lagria beetle	<i>Lagria cuprina</i> (Thomas)
Large rice grasshopper	<i>Hieroglyphus daganensis</i>
Larger grain borer	<i>Prostephanus truncatus</i>
Leaf footed bug	<i>Leptoglossus australis</i>
Leafhoppers	<i>Empoasca</i> spp.
Lesser army worm	<i>Spodoptera exigua</i>
Lesser cornstock borer	<i>Elasmopalpus lignosellus</i>
Lesser grain beetle	<i>Rhyzopertha dominica</i>

Lesser mealworm beetle	<i>Alphitobius diaperinus</i>
Long-horned flour beetle	<i>Latheticus oryzae</i>
Longtail mealybug	<i>Pseudococcus longispinus</i>
Mediterranean flour moth	<i>Ephestia kuehniella</i>
Mahogany shoot borer	<i>Hypsipyla robusta</i>
Maize aphid	<i>Aphis maidis</i>
Maize stem borer	<i>Busseola fusca</i>
Maize weevil	<i>Sitophilus zeamais</i>
Mango mealybug	<i>Rastrococcus invadens</i>
Mango seed or Stone Weevil	<i>Sternochetus mangiferae</i> (F)
Mediterranean fruit fly	<i>Ceratitis capitata</i>
Melon aphid	<i>Aphis gossypii</i>
Melon fruit fly	<i>Bactrocera cucurbitae</i>
Melon Thrips	<i>Thrips palmi</i> Karny
Melon worm moth	<i>Diaphania hyalinata</i>
Merchant grain beetle	<i>Oryzaephilus mercator</i>
Legume pod borer/ Maruca	<i>Maruca vitrata</i>
Mushroom mites	<i>Tyrophagus</i> spp.
Ofram borer	<i>Doliopygus dubius</i>
Oil palm leaf miner	<i>Coelaenomenodera lameensis</i>
Oil palm moth	<i>Pimelephila ghesquiere</i>
Olive fly	<i>Bactrocera oleae</i> (Gmelin)
Oriental fruit fly	<i>Bactrocera dorsalis</i>
Pea beetles	<i>Bruchus</i> spp.
Peach fruit fly	<i>Bactrocera zonata</i> (Saunders)
Pink bollworm	<i>Pectinophora gossypiella</i>
Pink hibiscus mealybug	<i>Maconellicoccus hirsutus</i>
Pink pineapple mealybug	<i>Dysmicoccus brevipes</i> (Cockerell)
Pink stem borers	<i>Sesamia</i> spp.
Pollen beetle	<i>Coryna</i> spp.
Powder post beetles	<i>Dinoderus</i> spp.
Psyllid	<i>Trioza erytrea</i>
Purple scale, Citrus mussel scale	<i>Lepidosaphes beckii</i>
Red flour beetle	<i>Tribolium castaneum</i>
Red mite	<i>Tetranychus telarius</i>
Red pumpkin beetle	<i>Aulacophora foveicollis</i>
Red tree ant / Weaver Ant	<i>Oecophylla longinoda</i>
Red-banded thrips	<i>Selenothrips rubrocinctus</i>
Red-legged ham beetle	<i>Necrobia rufipes</i>
Rhinoceros beetles	<i>Oryctes</i> spp.
Rhodes grass scale	<i>Antonia graminis</i>
Rice bug	<i>Leptocorisa</i> spp.
Rice caseworms	<i>Maliarpha separatella</i>
Rice leaf folder	<i>Marasmia</i> spp.
Rice moth	<i>Corcyra cephalonica</i>
Rice weevil	<i>Sitophilus oryzae</i>
Rose beetles	<i>Pachnoda</i> spp.
Rubber stem borer	<i>Mallodon downesi</i>
Saw-toothed grain beetle	<i>Oryzaephilus surinamensis</i>
Serpentine leaf miner	<i>Liriomyza brassicae</i>
Shiny black weevil	<i>Apion varium</i>
Shorthorn grasshopper	<i>Melanoplus bivittatus</i>
Siamese grain beetle	<i>Lophocateris pusillus</i>
Slender-horned flour beetle	<i>Gnatocerus maxillosus</i>
Small rice borers	<i>Scirpophaga</i> spp.
Solanum fruit fly	<i>Bactrocera latifrons</i> (Hendel)
Sorghum midge	<i>Contarinia sorghicola</i>
Sorghum shoot fly	<i>Atherigona indica</i>
Spiny bollworm	<i>Earias biplaga</i> , <i>E. insulana</i>

Spiral whitefly	<i>Aleurodicus dispersus</i>
Spittlebug	<i>Melyris abdominalis</i>
Spotted Cucumber beetle	<i>Diabrotica spp.</i>
Square-necked grain beetle	<i>Cathartus quadricolis</i>
Squash Bug	<i>Anasa tristis (Degeer)</i>
Stalked-eyed flies	<i>Diopsis spp.</i>
Stored product psocid	<i>Liposcelis bostrychophilus</i>
Striped borer	<i>Chilo zacconius</i>
Striped Cucumber beetle	<i>Acalymma spp.</i>
Striped foliage beetle	<i>Medytha quaternus</i>
Striped mealybug	<i>Ferrisia virgata</i>
Striped sweetpotato weevil	<i>Alcidodes dentipes</i>
Sugarcane stem borer	<i>Eldana saccharina</i>
Sweetpotato vine beetle	<i>Alcidodes sp.</i>
The Cashew Stem Girdler	<i>Paranaleptes reticulata</i>
The Broad mite	<i>Polyphagotarsonemus latus</i>
The flower thrips	<i>Megalurothrips sjostedti (Trybom)</i>
Tobacco cricket	<i>Brachytrupes membranaceus</i>
Pepper fruit fly	<i>Atherigona orientalis</i>
Tomato fruit fly	<i>Neoceratitis cyanescens</i>
Tropical tobacco moth	<i>Setomorpha rutella</i>
Tropical warehouse moth	<i>Ephestia cautella</i>
Two Spotted Spider Mite	<i>Tetranychus urticae Koch</i>
Variiegated grasshopper	<i>Zonocerus variegatus (L.)</i>
Wawa fruit borers	<i>Apion ghanaensis</i>
Western Flower Thrips	<i>Frankliniella occidentalis (Pergande)</i>
White rice borer	<i>Cnaphalocrocis spp.</i>
Whitefly	<i>Bemisia tabaci (Gennadius).</i>
Yam tuber beetle	<i>Heteroligus meles</i>
Yellow tea mite	<i>Polyphagotarsonemus latus</i>
Ziziphus fruit fly	<i>Carpomya incompleta (Becker)</i>

## PESTS OF QUARANTINE

### IMPORTANCE

#### Organism

#### Order

#### Family

### VEGETABLES

#### ***Solanum lycopersicon* L. (Tomato)**

<i>Aceria (Eriophyes) lycopersici</i>	Acarina	Eriophyidae
<i>Aculops (Aculus) lycopersici</i>	Acarina	Eriophyidae
<i>Brevipalpus californicus (Banks)</i>	Acarina	Tenuipalpidae
<i>Drosophila suzukii (Matsumura)</i>	Diptera	Drosophilidae
<i>Leptinotarsa decemlineata (Say)</i>	Coleoptera	Chrysomelidae
<i>Phthorimaea operculella (Zeller)</i>	Lepidoptera	Gelechiidae
<i>Spodoptera cilium</i>	Lepidoptera	Noctuidae
<i>Tetranychus schoeni</i>	Acarina	Tetranychidae

#### ***Solanum melongena* Linn. (Egg-plant)**

<i>Epitrix cucumeris</i>	Coleoptera	Chrysomelidae
<i>Epitrix parvula</i>	Coleoptera	Chrysomelidae
<i>Leptinotarsa decemlineata (Say)</i>	Coleoptera	Chrysomelidae
<i>Orthezia insignis</i> Browne	Homoptera	Orthezidae

#### ***Capsicum* spp. (Pepper)**

<i>Anthonomus eugenii</i>	Coleoptera	Curculionidae
<i>Helopeltis westwoodi</i> White	Heteroptera	Miridae
<i>Jacobiasca (Empoasca) libyca (De Berg)</i>	Homoptera	Cicadellidae
<i>Tildenia (Phthorimaea) gudmanella</i>	Lepidoptera	Gelechiidae
<i>Zonosemata electa</i>	Diptera	Tephritidae

#### ***Allium* spp. (Shallots and Onions)**

<i>Aceria tulipae</i> (K.)	Acarina	Eriophyidae
<i>Delia (Hylema) antigua</i>	Diptera	Anthomyiidae
<i>Eumerus strigatus</i>	Diptera	

#### ***Lactuca sativa* Linn. (Lettuce)**

<i>Hyperomyzus (Nasonovia) lactucae</i> Linn.	Homoptera	Aphididae
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#### ***Brassica* spp. (Cabbage and cauliflower)**

<i>Aperitmetus brunneus</i> (Hust.)	Coleoptera	Curculionidae
<i>Bagrada hilaris</i> (Burm.)	Heteroptera	Pentatomidae
<i>Hemiberlesia lataniae</i> (Sign.)	Homoptera	Diaspididae
<i>Pieris brassicae</i>	Lepidoptera	Pieridae

#### ***Cucumis sativus* Linn. (Cucumber)**

<i>Diaphania (Margaonia) indica</i>	Lepidoptera	Pyralidae
<i>Thrips palmi</i> Karny	Thysanoptera	Thripidae

#### ***Cucurbita pepo* Linn. (Gourd)**

<i>Acythopeus</i> (Baris) <i>cucurbitae</i>	Coleoptera	Curculionidae
<i>Thrips palmi</i> Karny	Thysanoptera	Thripidae

### FRUITS

#### ***Citrus* spp.**

<i>Anastrepha fraterculus</i> (Wied)	Diptera	Tephritidae
<i>Anastrepha ludens</i> (Loew)	Diptera	Tephritidae
<i>Anastrepha obliqua</i>	Diptera	Tephritidae
<i>Rhagoletis</i> spp	Diptera	Tephritidae
<i>Aonidiella aurantii</i> (Maskell)	Homoptera	Diaspididae



<i>Aonidiella citrina</i>	Homoptera	Diaspididae
<i>Aphis citricola</i> (spiraecola)	Homoptera	Aphididae
<i>Aspidiotus nerii hederæ</i>	Homoptera	Diaspididae
<i>Bactrocera tryoni</i>	Diptera	Tephritidae
<i>Ceratitis catoirii</i> G-M	Diptera	Tephritidae
<i>Ceratitis malagassa</i>	Diptera	Tephritidae
<i>Diaphorina citri</i> (Kuway)	Homoptera	Psyllidae
<i>Ephestia rapidella</i>	Lepidoptera	Pyralidae
<i>Eutetranychus orientalis</i> (Klein)	Acarina	Tetranychidae
<i>Hemitarsonemus latus</i>	Acarina	Tarsonemidae
<i>Lidingaspis piceus</i>	Acarina	Tetranychidae
<i>Panonychus citri</i>	Acarina	Tetranychidae
<i>Phyllocoptruta oleivora</i> (Ashmead)	Acarina	Eriophyidae
<i>Praelongorthezia praelonga</i> (Douglas)	Hemiptera	Ortheziidae
<i>Prays citri</i> (Mill)	Lepidoptera	Yponomeutidae
<i>Diaprepes abbreviatus</i> (L.)	Coleoptera	Curculionidae
<b>Cocos nucifera Coconut</b>		
<i>Rhynchophorus ferrugineus</i>	Coleoptera	Curculionidae
<b>Ipoemoea batatas Potato</b>		
<i>Tecia solanivora</i> Povolny	Lepidoptera	Gelechidae
<b>Mangifera indica Linn. (Mango)</b>		
<i>Acrocercops</i> spp.	Lepidoptera	Gracillariidae
<i>Anastrepha chicalayae</i>	Diptera	Tephritidae
<i>Anastrepha fraterculus</i> (Wiedemann)	Diptera	Tephritidae
<i>Anastrepha ludens</i> (Loew)	Diptera	Tephritidae
<i>Anastrepha obliqua</i>	Diptera	Tephritidae
<i>Rhagoletis</i> spp	Diptera	Tephritidae
<i>Bactrocera tryoni</i>	Diptera	Tephritidae
<i>Ceroplastes</i> spp.	Homoptera	Coccidae
<i>Olethreutes tosorina</i>	Lepidoptera	Tortricidae
<i>Oligonychus mangiferae</i> (R & S)	Acarina	Tetranychidae
<i>Paranaleptes reticulata</i>	Coleoptera	Cerambycidae
<i>Protopulvinaria (Coccus) mangiferae</i>	Homoptera	
<i>Pseudaonidia (Aspidiptus) trilobitiformes</i>	Homoptera	Diaspididae
<i>Sternochetus (Cryptorrhynchus) olivieri</i>	Coleoptera	Curculionidae
<i>Sternochetus frigidus</i>	Coleoptera	Curculionidae
<i>Sternochetus frigidus</i> ( <i>Cryptorrhynchus gravis</i> )	Coleoptera	Curculionidae
<i>Sylepta (Haritala) balteata</i>	Lepidoptera	Pyralidae
<i>Zeuzera pyrma</i> L.	Lepidoptera	Cossidae
<b>Persea americana Mill. (Avocado)</b>		
<i>Anastrepha ludens</i> (Loew)	Diptera	Tephritidae
<i>Bactrocera kandiensis</i>	Diptera	Tephritidae
<i>Ceroplastes floridensis</i>	Homoptera	Coccidae
<i>Conotrachelus</i> spp	Coleoptera	Curculionidae
<i>Nipaecoccus nipae</i> (Mask)	Homoptera	Pseudococcidae
<i>Heilipius lauri</i>	Coleoptera	Curculionidae
<i>Stenomoma catenifera</i>	Lepidoptera	Elachistidae
<b>Ananas comosus (L) Merv. (Pineapple)</b>		
<i>Diaspis bromeliae</i> (Kern)	Homoptera	Diaspididae
<i>Thecla basilides</i>	Lepidoptera	Lycaenidae
<b>Musa</b> spp. (Banana and Plantain)		
<i>Pentolonia nigronevosa</i> Coq.	Homoptera	Aphididae

## FIBRES

**Gossypium spp.** (Cotton)

*Anthonomus grandis* Boh.

*Helicoverpa nubigera*

Coleoptera

Lepidoptera

Curculionidae

Noctuidae

## FLOWERS AND ORNAMENTALS

**Opuntia spp.**

*Aonidiella aurantii* (Maskell)

*Unaspis citri*

Homoptera

Homoptera

Diaspididae

Diaspididae

## FORESTRY AND PLANTATION TREES AND TIMBER

**Eucalyptus spp.**

*Acromyrmex* sp.

*Eriococcus coriaceus*

*Gonipterus scutelatus*

*Phaenomerus* sp.

*Phoracantha recurva*

Hymenoptera

Homoptera

Coleoptera

Coleoptera

Coleoptera

Formicidae

Eriococcidae

## GRAINS

**Oryza sativa** Linn (Rice)

*Chilo diffusilineus*

*Dicladispa gestrei*

*Dicladispa virid*

*Hieroglyphus africanus*

*Lakuaroga searatekka*

*Nephotettix nigropictus* (*Nephotettix apicalis*) (Stal)

Lepidoptera

Coleoptera

Coleoptera

Orthoptera

Lepidoptera

Homoptera

Pyralidae

Hispidae

Hispidae

Acrididae

Cicadellidae

*Trichispa sericea* (Guerin)

*Orseolia oryzae*

Coleoptera

Diptera

Hispidae

Cecidomyiidae

**Zea mays** Linn. (Maize)

*Rhopalosiphum maidis* (Fitch)

*Sesamia nonagroides* (Lef.)

Homoptera

Lepidoptera

Aphididae

Noctuidae

**Sorghum bicolor** Moench (*vulgare*) Pers.

(Guinea corn)

*Celema sorghiella* Riley

*Oligonychus* (*Paratetranychus*) *indicus* Hirst

Lepidoptera

Acarina

Noctuidae

Tetranychidae

## LEGUMES

**Vigna unguiculata** (Linn.) Wale (Cowpea)

*Cerotoma trifurcata*

*Elasmopalpus lignosellus*

*Epilachna varivestis* Muls.

*Franklinella occidentalis* Pergande

*Sericothrips occipitalis*

*Spodoptera exigua* (Hb.)

Coleoptera

Lepidoptera

Coleoptera

Thysanoptera

Thysanoptera

Lepidoptera

Chrysomelidae

Pyralidae

Coccinellidae

Thripidae

Thripidae

Noctuidae

**Phaseolus** (Beans)

*Epilachna bifasciata*

Coleoptera

Coccinellidae

**Glycine max.** Merr. (Soy bean)

*Sinuessa subinermis*

Heteroptera

**Arachis hypogaea** Linn. (Groundnut)

*Caryedon serratus* (Oliv.)

Coleoptera

Bruchidae

<i>Cicadulina arachidis</i>	Homoptera	Cicadellidae
<i>Hodotermes mossambicus</i> Hagen	Isoptera	Hodotermitidae
<i>Mylabris acculata uniformis</i>	Coleoptera	Meloidae
<i>Mylabris bicinta</i>	Coleoptera	Meloidae

#### OIL CROPS

##### ***Elaeis guineensis* Jacq.** (Oil palm)

<i>Diocalandra frumenti</i> (F.)	Coleoptera	Curculionidae
<i>Mellitoma insulare</i> Fairm	Coleoptera	Lymexylidae
<i>Parlatoria blanchardii</i> (Targ.)	Homoptera	Diaspididae
<i>Pseudophilis testaceus</i> Gah.	Coleoptera	Cerambycidae

##### ***Cocos nucifera* Linn.** (Coconut)

<i>Diocalandra taitense</i> (Guer)	Coleoptera	Curculionidae
<i>Melittomma insulare</i> Fairm	Coleoptera	Lymexylidae
<i>Pseudaulacaspis (Phenacaspis) cockerelli</i>	Homoptera	Diaspididae
<i>Raoiella indica</i> Hirst	Acarina	Tenuipalpidae
<i>Rhinostomus niger</i>	Coleoptera	Curculionidae
<i>Stephanitis typica</i> (Dist.)	Heteroptera	Tingidae

##### ***Sesamum* spp.** (Sesame)

<i>Antigastra catalaunalis</i> (Dup.)	Lepidoptera	Pyralidae
<i>Baris helleri</i>	Coleoptera	Curculionidae
<i>Hieroglyphus banian</i> (F.)	Orthoptera	Acrididae
<i>Lachnosterna (Holotrichia) helleri</i>	Coleoptera	Scarabaeidae
<i>Phricodus</i> sp.	Hemiptera	Pentatomidae
<i>Taylorilygus (Lygus) vosseleri</i> (Pepp.)	Heteroptera	Miridae

##### ***Helianthus annuus* Linn.** (Sunflower)

<i>Eurygaster</i> spp.	Heteroptera	Pentatomidae
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#### PLANTATION AND INDUSTRIAL CROPS

##### ***Theobroma cacao* Linn.** (Cocoa)

<i>Antilenchus (Mecistorhinus) tripterus</i>	Heteroptera	
<i>Helopeltis clavifer</i>	Heteroptera	Miridae
<i>Pantorhytes</i> spp.	Coleoptera	
<i>Conopomorpha cramerella</i> Snellen	Lepidoptera	Gracillariidae
<i>Achaea cataoides</i>		

##### ***Coffea* spp.** (Coffee)

<i>Anthores leuconotus</i> Pasc.	Coleoptera	Cerambycidae
<i>Antestiopsis</i> sp.	Heteroptera	Pentatomidae
<i>Ceracoccus catenarius</i>	Homoptera	Coccidae
<i>Dichocrosis crocodora</i>	Lepidoptera	Pyralidae

##### ***Hevea brasiliensis* (Kunth)** (Rubber)

<i>Atopomyrmex mocquersyi</i>	Hymenoptera	
<i>Cryphalus hevea</i>	Coleoptera	
<i>Hypothenemus setosus (Cryphalus congonus)</i>	Coleoptera	Scolytidae
<i>Polyphagotarsonemus (Hemitarsonemus) latus</i> (Banks )	Acarina	Tarsonemidae
<i>Xyleborus affinis</i>	Coleoptera	Scolytidae

##### ***Nicotiana tabacum* Linn.** (Tobacco)

<i>Dicyphus minimus</i>	Heteroptera	
<i>Lema bilineata</i>	Coleoptera	Crioceridae
<i>Phthorimaea operculella</i> (Zeller)	Lepidoptera	Gelechiidae
<i>Polyphagotarsonemus (Hemitarsonemus) latus</i> (Banks )	Acarina	Tarsonemidae

<i>Scrobipalpa heliopa</i> (Lower)	Lepidoptera	Gelechiidae
<b>Saccharum officinarum</b> Linn. (Sugar cane)		
<i>Acanthomytilus sacchari</i>	Homoptera	Diaspididae
<i>Chilo sacchariphagus</i> Bojer	Lepidoptera	Pyralidae
<i>Cicadulina niger</i>	Homoptera	Cicadellidae
<i>Clemora (Phytalus) smithi</i>	Coleoptera	Melolonthidae
<i>Diatraea</i> sp.	Lepidoptera	Pyralidae
<i>Perkinsiella saccharicida</i> (Ckll.)	Homoptera	Delphacidae
<i>Pulvinaria tenuivalvata</i>	Homoptera	Coccidae
<i>Rhabdoscelis obscurus</i> Boisd.	Coleoptera	Curculionidae
<i>Yanga guttulata</i>	Heteroptera	
<b>ROOT AND TUBER</b>		
<b>Dioscorea</b> sp. (Yam)		
<i>Chrytophlebia peltastica</i>	Lepidoptera	Tortricidae
<i>Hemiberlesia tectonae</i>	Homoptera	Diaspididae
<i>Rhizoecus amorphophalli</i>	Hemiptera	Pseudococcidae
<i>Diaprepes abbreviatus</i>	Coleoptera	Curculionidae
<b>Ipomoea batatas</b> Poir. (Sweet potato)		
<i>Aceria</i> sp.	Acarina	Eriophyidae
<i>Acraea bonasia</i>	Lepidoptera	Acraeidae
<i>Aegeria erythromma</i>	Lepidoptera	Nymphalidae
<i>Euscepes postfasciatus</i> Fairm.	Coleoptera	Curculionidae
<i>Pseudaulacapsis pentagona</i> (Targ.)	Homoptera	Diaspididae
(c) <b>Solanum tuberosum</b> (Irish potato)		
<i>Aphis fabae solanella</i>	Homoptera	Aphididae
<i>Empoasca fabae</i>	Homoptera	Cicadellidae
<i>Leptinotarsa decemlineata</i> (Say)	Coleoptera	Chrysomelidae
<i>Peliococcus triponosus</i>	Homoptera	Coccidae
<i>Phthorimaea operculella</i> (Zeller)	Lepidoptera	Gelechiidae
<b>SPICES</b>		
<b>Piper nigrum</b> (Black pepper)		
<i>Anonaepestis tamsi</i>	Lepidoptera	Pyralidae
<i>Dasynus piperis</i>	Heteroptera	Coreidae
<i>Diconocoris hewetti</i>	Heteroptera	
<i>Disphinctus maesarum</i> Kirk.	Heteroptera	Miridae
<i>Longitarsus nigripennis</i> Motsch	Coleoptera	Halticidae
<i>Lophobaris piperis</i> M.	Coleoptera	Curculionidae
<b>Zingiber officinalis</b> Roscoe (Ginger)		
<i>Encya strigiscutata</i>	Coleoptera	
<i>Lonchotus crassus</i>	Coleoptera	
<b>Potentially Invasive Species to Ghana</b>		
<i>Bactrocera carambolae</i> Drew & Hancock	Diptera	Tephritidae
<i>Bactrocera correcta</i> (Bezzi)	Diptera	Tephritidae
<i>Bactrocera kandiensis</i> Drew & Hancock	Diptera	Tephritidae
<i>Bactrocera latifrons</i> (Hendel)	Diptera	Tephritidae
<i>Bactrocera oleae</i> (Gmelin)	Diptera	Tephritidae
<i>Bactrocera zonata</i> (Saunders)	Diptera	Tephritidae
<i>Dacus frontalis</i> Becker	Diptera	Tephritidae
<i>Dacus lounsburyi</i> Coquillett	Diptera	Tephritidae
<i>Carpomya incompleta</i> (Becker)	Diptera	Tephritidae
<i>Dacus langi</i> Curran	Diptera	Tephritidae
<i>Dacus plouralis</i>	Diptera	Tephritidae

*Dacus umehi*

Diptera

Tephritidae

**SCIENTIFIC NAME**

*Abelmoschus* (Hibiscus)  
*esculentus*(L.)Moench  
*Allium cepa* Linn.  
*Allium ascalonicum* Linn.  
*Amaranthus caudatus* L.  
*Ananas comosus* (L.) Merv.  
*Brassica oleraceae var capitata* Linn.  
*Capsicum frutescens* L  
*Carica papaya* Linn.  
*Corchorus olitorius*  
*Cucurbita pepo*  
*Ipomoea batatas*  
*Liriomyza trifolii*  
*Luffa acutangula*

*Luffa aegyptiaca*  
*Luffa cylindrica*  
*Luffa operculata*  
*Anarcadium occidentale* Linn.  
*Curcubita maxima* Duchesne  
*Mangifera indica* Linn  
*Murraya koenigii*  
*Musa paradisiaca*  
*Ocimum basilicum*  
*Ocimum gratissimum*

*Passiflora edulis* Sims  
*Persea americana* Mill.  
*Phaseolus vulgaris* L.  
*Praecitrullus fistulosus*  
*Psidium gaujava* Linn.  
*Solanum aethiopicum*

*Solanum melongena*  
*Solanum torvum*

*Vernonia amygdalina*  
*Xanthosoma sagittifolium*  
*Talinum* sp.  
*Lagenaria siceraria*

**COMMON NAME**

Okra, Okro  
  
Onions  
Shallots  
African spinach  
Pineapples  
Cabbage,  
Hot / Chilli peppers  
Papaya, pawpaw  
Jute mallow leaves, "Ayoyo"  
Marrow  
Sweet potato  
Leaf miners  
Angled luffa, Ridged luffa, Vegetable gourd, Chinese okra,  
Dish cloth gourd, Sponge gourd, Strainer vine, Ribbed  
loofah, Silky gourd  
Smooth luffa, Egyptian luffa,  
Dishrag gourd, Gourd loofa)  
Wild loofa, Sponge cucumber  
Cashew  
Water melon and squash  
Mango  
Curry leaves  
Plantain  
Sweet basil, "Akoko mesa"  
Clove basil, African basil, Fever Leaf, Wild basil, "Nunum"  
  
Passion fruit  
Avocado  
French beans  
Indian round gourd  
Gauva  
African eggplant, Bitter tomato, Ethiopian eggplant,  
"Gboma"  
Aubergines, Brijals, Melongene, Guinea squash  
The Turkey berry, evil's fig, Prickly nightshade, Wild  
eggplant, Pea eggplant, Pea aubergine, "Abedru"  
Bitter Leaf  
Cocoyam, Arrowleaf elephant ear, "Kontomire"  
Water leaf, Ceylon spinach, "Bokoboko"  
Bottle gourd



## GRAIN CEREALS

### Rice (*Oryza sativa* Linn.)

<b>Organism</b>	<b>Order</b>	<b>Family</b>	<b>Plant Part attacked</b>
<i>Platydes dupliciinae</i> Hampson	Lepidoptera	Crambidae	l
<i>Aspavia armigera</i> (F)	Heteroptera	Pentatomidae	gr
<i>Aspavia albidomaculata</i>	Heteroptera	Pentatomidae	gr
<i>Atherigona soccate</i> Rondani	Diptera	Muscidae	s
<i>Aspavia longispina</i> Stull	Heteroptera	Pentatomidae	gr
<i>Brachytrupes membranaceus</i> Drury	Orthoptera	Gryllidae	r
<i>Chilo zacconius</i> Blez	Lepidoptera	Pyralidae	s
<i>Cnaphalocrocis medinalis</i> Guenee	Lepidoptera	Pyralidae	l
<i>Cofana</i> spp.	Hemiptera	Cicadellidae	l
<i>Cylindrothorax strangulate</i> Gerst	Coleoptera	Meloidae	l
<i>Diacrisia scortilla</i> Walk.	Lepidoptera	Arctiidae	l
<i>Di cladispa armigera</i> Olivier	Coleoptera	Chrysomelidae	l
<i>Diopsis apicalis</i> Dalman	Diptera	Diopsidae	l
<i>Diopsis lingicornis</i>	Diptera	Diopsidae	l
<i>Diopsis thoracica</i> West	Diptera	Diopsidae	s
<i>Durmia vittiventris</i> Reut.	Heteroptera	Pentatomidae	l
<i>Eldana saccharina</i>	Lepidoptera	Pyralidae	sh
<i>Gryllotalpa africana</i> P. de B.	Orthoptera	Gryllotalpidae	r
<i>Hieroglyphus daganensis</i> Wood-Mason	Orthoptera	Acrididae	l
<i>Hotea gambiae</i> (westw.)	Heteroptera	Pentatomidae	gr
<i>Hydrellia philippina</i> Ferino	Diptera	Ephydriidae	l
<i>Lagria</i> spp.	Coleoptera	Lagriidae	gr
<i>Leptocoris oratorius</i> Fab	Heteroptera	Coreidae	gr
<i>Locris</i> spp.	Heteroptera	Cercopidae	l
<i>Macrotermes bellicosus</i>	Isoptera	Termitidae	sh,r
<i>Maliarpha separatella</i> Rag.	Lepidoptera	Pyralidae	s
<i>Marasmia</i> spp.	Lepidoptera	Pyralidae	i
<i>Maruca testulalis</i> (F.)	Lepidoptera	Crambidae	fr,l,
<i>Melyris abdominalis</i>	Coleoptera	Melyridae	l
<i>Mirperus torridus</i> Westwood	Hemiptera	Alydidae	l
<i>Mirperus jaculus</i> Thunberg	Hemiptera	Alydidae	l
<i>Nephotettix virescens distant</i>	Homoptera	Cicadellidae	l
<i>Nezera soror</i> Schout	Heteroptera	Pentatomidae	gr
<i>Nezera viridula</i> (L.)	Heteroptera	Pentatomidae	l
<i>Nymphula depunctalis</i> Guenee	Lepidoptera	Pyralidae	i
<i>Orseolia oryzivora</i>	Diptera	Cecidomyiidae	s
<i>Oxya</i> spp.	Orthoptera	Acrididae	l
<i>Parnara guttata</i> Bremer & Grey	Lepidoptera	Hesperiidae	l
<i>Poophilus costalis</i> Walker	Hemiptera	Aphrophoridae	l
<i>Ropalosiphum maidis</i> Fitch	Hemiptera	Aphididae	l
<i>Riptortus tenuicornis</i> Dall.	Heteroptera	Coreidae	gr
<i>Scirpophaga subumbrosa</i> Meyr	Lepidoptera	Pyralidae	s
<i>Scotinophara</i> sp. nr. <i>fibulata</i> Germ	Heteroptera	Pentatomidae	l,s
<i>Sasamia botanephaga</i>	Lepidoptera	Noctuidae	sh
<i>Sesamia calamistis</i> Hampson	Lepidoptera	Noctuidae	sh
<i>Spodoptera exempta</i> Wlk.	Lepidoptera	Noctuidae	l
<i>Spodoptera exigua</i>	Lepidoptera	Noctuidae	l
<i>Spodoptera litura</i> Fab.	Lepidoptera	Noctuidae	s
<i>Spodoptera frugiperda</i> (Smith)	Lepidoptera	Noctuidae	l,sh
<i>Trichispa sericea</i>	Coleoptera	Chrysomelidae	l
<i>Zonocerus variegatus</i>	Orthoptera	Pyrgomorphidae	l
<b>Stored rice pests</b>			
<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Silvanidae	

*Araecerus fasciculatus* De Geer  
*Apostigmaeus* sp.  
*Carpophilus dimidiatus* (F.)  
*Chorotoglyphus arcuatus* Troup.  
*Coccyra cephalonica* Stainton  
*Corcyra cephalonica* (Stnt.)  
*Cryptolestes* spp.  
*Ephestia kuehniella* (Zell.)  
*Ephestia cautella* Walker  
*Gnatocerus maxillosus* (F.)  
*Latheticus aryzae* Waterhouse  
*Lasioderma serricorne*  
*Lophocaters pusillus* (Klug.)  
*Oryzaephilus mercator* (Fauvel)  
*Oryzaephilus surinamensis* (L.)  
*Rhyzopertha dominica* (F.)  
*Setomorpha rutella* Zell.  
*Sitophilus oryzae* (L.)  
*Sitophilus zeamais* (Motshulsky)  
*Sitotroga cerealella* (Ol.)  
*Tribolium castaneum* (Hbst.)  
*Tribolium confusum*  
*Tydeus interruptus* Sig Thor  
*Tyrophagus* spp.

Coleoptera	Anthribidae
Acarina	Tetranychidae
Coleoptera	Nitidulidae
Astigmata	Chortoglyphidae
Lepidoptera	Pyralidae
Lepidoptera	Pyralidae
Coleoptera	Cucujidae
Lepidoptera	Pyralidae
Lepidoptera	Pyralidae
Coleoptera	Tenebrionidae
Coleoptera	Tenebrionidae
Coleoptera	Anobiidae
Coleoptera	Lophocateridae
Coleoptera	Silvanidae
Coleoptera	Silvanidae
Coleoptera	Bostrichidae
Lepidoptera	Tineidae
Coleoptera	Curculionidae
Coleoptera	Curculionidae
Lepidoptera	Gelechiidae
Coleoptera	Tenebrionidae
Coleoptera	Tenebrionidae
Prostigmata	Tydeidae
Astigmata	Acaridae

**Maize (*Zea mays* Linn.)**

*Aphis maidis*  
*Atherigona soccate* Rondani  
*Borbo fatuellus* Hopff.  
*Brachytrupes membranaceus* (Dru.)  
*Busseola fusca* (Fuller)  
*Busseola quadrata* Bowden  
*Chilotræa* sp.  
*Chilo aleniellus* Strand  
*Cicadulina mbila* (Nuade)  
*Cicadulina storeyi* (Nuade)  
*Coniesta ignefusalis* Hmps  
*Cylindrothorax melanocephala* (F.)  
*Thaumatotibia leucotreta*  
*Diacrisia lutescens* (Wlk.)  
*Earis tristrigosa* Butler  
*Diplognatha gagates* (Forts.)  
*Eldana saccharina* Wlk.  
*Gonocephalum simplex* Fabricius  
*Helicoverpa armigera*  
*Ligria villosa*  
*Leucocelis testaceoguttata* Blanch  
*Locris maculate* F.  
*Macrotermes* spp.  
*Melyris abdominalis* F.  
*Poophilus costalis* Wlk  
*Pyroderces rileyi* (Wlsm.)  
  
*Sesamia botanephaga* (Tams & Bowden).  
*Sesamia calamistis* Hampson.  
*Sesamia panniseti* (Tams & Bowden).  
*Sesamia poephaga* (Tams & Bowden).  
*Spodoptera exempta* Wlk.  
*Spodoptera exigua*

Homoptera	Aphididae	I
Diptera	Muscidae	s
Lepidoptera	Hesperiidae	I
Orthoptera	Gryllidae	sh
Lepidoptera	Noctuidae	sh
Lepidoptera	Noctuidae	sh
Lepidoptera	Pyralidae	sh
Lepidoptera	Pyralidae	sh
Homoptera	Cicadellidae	I
Hemiptera	Cicadellidae	I
Lepidoptera	Pyralidae	s
Coleoptera	Meloidae	f
Lepidoptera	Tortricidae	I,sh
Lepidoptera	Arctiidae	f
Lepidoptera	Nolidae	I
Coleoptera	Cetoniidae	r
Lepidoptera	Pyralidae	s
Coleoptera	Tenebrionidae	s,sh,r
Lepidoptera	Noctuidae	I
Coleoptera	Tenebrionidae	I
Coleoptera	Cetoniidae	gr
Homoptera	Cercopidae	I
Isoptera	Termitidae	s
Coleoptera	Dasytidae	I
Hemiptera	Cercopidae	I, f
Lepidoptera	cosmopterygidae	gr
Lepidoptera	Noctuidae	s
Lepidoptera	Noctuidae	s
Lepidoptera	Noctuidae	s
Lepidoptera	Noctuidae	s
Lepidoptera	Noctuidae	I
Lepidoptera	Noctuidae	I

<i>Spodoptera fugiperda</i> (Smith)	Lepidoptera	Noctuidae	l
<i>Spodoptera littoralis</i> (Boisduval.)	Lepidoptera	Noctuidae	s
<i>Stenachroia elongella</i> Hmps..)	Lepidoptera	Pyralidae	s
<i>Rhopalociphum maidis</i> (Fitch)	Hemiptera	Aphididae	l
<i>Taylorilygus vosseleri</i> (Popp)	Hemiptera	Miridae	l
<i>Typhaea stercorea</i> (L.)	Coleoptera	Mycetophagidae	gr
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	l

### **Stored maize pests**

<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Silvanidae	
<i>Alphitobius diaperinus</i> (Panz.)	Coleoptera	Tenebrionidae	
<i>Alphitobius laevigatus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Carpophilus</i> spp.	Coleoptera	Nitidulidae	
<i>Cathartus quadricollis</i> (Guer.)	Coleoptera	Silvanidae	
<i>Chelytus eruditus</i> Schr.	Prostigmata	Chyletidae	
<i>Cillaeus</i> sp.	Lepidoptera	Nitidulidae	
<i>Corcyra cephalonica</i> (Staintor)	Lepidoptera	Pyralidae	
<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	
<i>Dinoderus minutus</i> (F.)	Coleoptera	Bostrichidae	
<i>Eldana saccharina</i> Wlk	Lepidoptera	Pyralidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Gelechiidae	
<i>Gnatocerus cornutus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Gnatocerus maxillosus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Liposcelis bostrychophilus</i> Badonnel	Psocoptera	Lyposcelidae	
<i>Lophocateres pusillus</i> (Klug.)	Coleoptera	Lophocateridae	
<i>Megalodacne interrupta</i> Lacord.	Coleoptera	Languriidae	
<i>Mussidia nigrivenella</i> Rag	Lepidoptera	Pyralidae	
<i>Necrobia rufipes</i> (Deg.)	Coleoptera	Cleridae	
<i>Oryzaeophilus mercator</i> (Fauv.)	Coleoptera	Silvanidae	
<i>Oryzaeophilus surinamensis</i>	Coleoptera	Cucujidae	
<i>Palorus</i> spp.	Coleoptera	Tenebrionidae	
<i>Palorus subdepressus</i> (Woll.)	Coleoptera	Tenebrionidae	
<i>Physopelta melanopectera</i> Dist.	Heteroptera	Pyrrhocoridae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	
<i>Pyralis manithotalis</i> Geun.	Lepidoptera	Pyralidae	
<i>Rhembastus hypomeles</i> Let.	Coleoptera	Eumolpidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Scotinophara</i> sp.	Heteroptera	Pentatomidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	Curculionidae	
<i>Sitotroga cerealella</i> (Ol.)	Lepidoptera	Gelechiidae	
<i>Tenebroides mauritanicus</i> L.	Coleoptera	Trogossitidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i> Duv.	Coleoptera	Tenebrionidae	
<i>Tydenus interruptus</i> Sig Thor	Prostigmata	Tyleidae	
<i>Tyrophagus</i> spp.	Astigmata	Acaridae	

### **Guinea corn (*Sorghum bicolor* Moench (vulgare) Pers.**

<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
<i>Atherigona indica</i> Mall	Diptera	Muscidae	s
<i>Anoplocnemis curvipes</i> (Fabricius)	Heteroptera	Coreidae	p
<i>Busseola fusca</i> (Fuller)	Lepidoptera	Nictuidae	s
<i>Clavigralla tomentosicollis</i>	Heteroptera	Coreidae	l
<i>Coniesta ignefusalis</i> Hmps	Lepidoptera	Pyralidae	s
<i>Chrysocoris</i> sp.	Hemiptera	Scutelleridae	l

<i>Contarina sorghicola</i> (Coq.)	Diptera	Cecidomyiidae	gr
<i>Dysdercus fasciatus</i>	Hemiptera	Pyrrhocoridae	l
<i>Dorcathispa belliscosa</i> (Guer.)	Coleoptera	Hispidae	l
<i>Eldana saccharina</i> Wlk.	Lepidoptera	Pyralidae	s
<i>Manga basilinea</i> Bowden	Lepidoptera	Noctuidae	s
<i>Menechamus</i> sp.	Coleoptera	Curculionidae	l
<i>Helicoverpa armigera</i>	Lepidoptera	Noctuidae	l
<i>Mirperus torridus</i> Westw.	Heteroptera	Coriidae	gr
<i>Nezara viridula</i> L.	Hemiptera	Pentatomidae	l
<i>Poophilus costalis</i> Wlk.	Hemiptera	cercopidea	l,f
<i>Riptortus dentipes</i>	Heteroptera	Alydidae	l
<i>Riptortus tenuicornis</i> Dall.	Heteroptera	Coriidae	gr
<i>Sesamia calamistis</i> Hampson	Lepidoptera	Noctuidae	s
<i>Sesamia poephaga</i> (Tams & Bowden)	Lepidoptera	Noctuidae	s
<i>Spodoptera frugiperda</i>	Lepidoptera	Noctuidae	l
<i>Spodoptera exempta</i> Wlk	Lepidoptera	Noctuidae	l
<i>Trichispa sericea</i>	Coleoptera	Chrysomelidae	l
<i>Thaumatotibia leucotreta</i>	Lepidoptera	Tortricidae	l, fr, sh

### **Stored guinea corn pests**

<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	
<i>Cryptolestes pusillus</i> (Schonh)	Coleoptera	Cucujidae	
<i>Gnatocerus</i> spp.	Coleoptera	Tenebrionidae	
<i>Lasioderma serricorne</i> (Fabricius)	Coleoptera	Anobiidae	
<i>Lophocateres pusillus</i> (Klug.)	Coleoptera	Lophocateridae	
<i>Oryzaephilus mercator</i> (Fauv.)	Coleoptera	Cucujidae	
<i>Oryzaephilus surinamensis</i> (L.)	Coleoptera	Cucujidae	
<i>Palorus subdepressus</i> (Woll.)	Coleoptera	Tenebrionidae	
<i>Plodia interpunctella</i> (Hubner)	Lepidoptera	Pyralidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	curculionidae	
<i>Sitotroga cerealella</i> (Ol.)	Lepidoptera	Gelechiidae	
<i>Tenebroides mauritanicus</i> L.	Coleoptera	Tenebrionidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	

### **Millet (*Pennisetum cinereum* Stapf & C. E.**

#### **Hubbard)**

<i>Manga basilinea</i> Bowden	Lepidoptera	Noctuidae	s
<i>Menechamus</i> spp.	Coleoptera	Curculionidae	l
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
<i>Atherigona indica</i> Mall	Diptera	Muscidae	s
<i>Anoplocnemis curvipes</i> (Fabricius)	Heteroptera	Coreidae	gr
<i>Busseola fusca</i> (Fuller)	Lepidoptera	Nictuidae	s
<i>Clavigralla tomentosicollis</i>	Heteroptera	Coreidae	l
<i>Coniesta ignefusalis</i> Hmps	Lepidoptera	Pyralidae	s
<i>Chrysocoris</i> sp.	Hemiptera	Scutelleridae	l
<i>Contarina sorghicola</i> (Coq.)	Diptera	Cecidomyiidae	gr
<i>Dysdercus fasciatus</i>	Hemiptera	Pyrrhocoridae	l
<i>Dorcathispa belliscosa</i> (Guer.)	Coleoptera	Hispidae	l
<i>Eldana saccharina</i> Wlk.	Lepidoptera	Pyralidae	s
<i>Mirperus torridus</i> Westw.	Heteroptera	Coriidae	gr
<i>Nezara viridula</i> L.	Hemiptera	Pentatomidae	l
<i>Poophilus costalis</i> Wlk.	Hemiptera	cercopidea	l,f
<i>Riptortus dentipes</i>	Heteroptera	Alydidae	gr,l
<i>Riptortus tenuicornis</i> Dall.	Heteroptera	Coriidae	gr

<i>Sesamia calamistis</i> Hampson	Lepidoptera	Noctuidae	s
<i>Sesamia poephaga</i> (Tams & Bowden)	Lepidoptera	Noctuidae	s
<i>Spodoptera frugiperda</i>	Lepidoptera	Noctuidae	l
<i>Spodoptera exempta</i> Wlk	Lepidoptera	Noctuidae	l
<i>Trichispa sericea</i>			

**Stored Millet(*Pennisetum cinereum* Stapf & C.**

**E. Hubbard) pest**

<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	
<i>Cryptolestes pusillus</i> (Schonh)	Coleoptera	Cucujidae	
<i>Gnatocerus</i> spp.	Coleoptera	Tenebrionidae	
<i>Lasioderma serricorne</i> (Fabricius)	Coleoptera	Anobiidae	
<i>Lophocateres pusillus</i> (Klug.)	Coleoptera	Lophocateridae	
<i>Oryzaephilus mercator</i> (Fauv.)	Coleoptera	Cucujidae	
<i>Oryzaephilus surinamensis</i> (L.)	Coleoptera	Cucujidae	
<i>Palorus subdepressus</i> (Woll.)	Coleoptera	Tenebrionidae	
<i>Plodia interpunctella</i> (Hubner)	Lepidoptera	Pyralidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	curculionidae	
<i>Sitotroga cerealella</i> (Ol.)	Lepidoptera	Gelechiidae	
<i>Tenebroides mauritanicus</i> L.	Coleoptera	Tenebrionidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	

**LEGUMES**

**Cowpea (*Vigna unguiculata* (Linn.)Wale**

**Organism**

**Order**

**Family**

**Plant  
part  
attacked**

***Acanthomia tomentosicollis* (Stal)**

***Acanthomia horrida* (Germ.)**

*Adoretus umbrosus* (F.)

*Anoplocnemis curvipes* (Fabricius)

*Aphis craccivora* (Koch)

*Aphis gossypii*

*Apion varium*

*Agonoscelis versicolor* (F.)

*Aspavia armigera* (F.)

*Aleurodicus dispersus* Russell

*Aspavia albidomaculata* Stal

*Cheilomenes propingua* Muls

*Brachyplatys testudonigra* Deg.

*Bemsia tabaci*

*Ceratothripoides brunneus*

*Clavigralla elongata* (Signoret)

*Clavigralla tomentosicollis*

*Cosmophila falava* (Fabricius)

*Clavigralla shadabi* (Dolling)

*Cydia ptychora* (Meyr.)

*Dysdercus superstitious* (F.)

*Empoasca dolichi* (Paoli)

*Euchrysops malathana* Boisdl..)

*Helicoverpa armigera* (Hub.)

*Helopeltis bergrothi* Reut.

*Jacobiella facialis* (jacobi)

*Lagria cuprina* Thoms.

*Lagria villosa* (F.)

*Leptoglossus* spp.

*Maruca vitrata* (Geyer)

*Medytha quarternus* Firm

*Megalurothrips sjostedti* (Trybom)

*Mirperus jaculus*

*Mylabris holosericea* Klug

*Mylabris temporalis* Pic

*Nezara viridula* (L.)

*Ootheca mutabilis* (Sahlb)

*Podagrica uniformis* (Jac.)

*Riptortus dentipes* (Fabricius)

*Sophronica* sp.

*Virachola antalus* Hopffer

*Spodoptera littoralis* (F.)

*Spodoptera frugiperda* (Smith)

*Zonocerus variegatus* (L.)

*Taylorilygus vosseleri* (Popp.)

*Thaumatotibia leucotreta*

Coleoptera

Heteroptera

Homoptera

Homoptera

Coleoptera

Heteroptera

Heteroptera

Hemiptera

Heteroptera

Coleoptera

Hemiptera

Hemiptera

Thysanoptera

Heteroptera

Heteroptera

Lepidoptera

Heteroptera

Lepidoptera

Hemiptera

Homoptera

Lepidoptera

Lepidoptera

Heteroptera

Hemiptera

Coleoptera

Coleoptera

Heteroptera

Lepidoptera

Coleoptera

Thysanoptera

Heteroptera

Coleoptera

Coleoptera

Heteroptera

Coleoptera

Coleoptera

Heteroptera

Coleoptera

Lepidoptera

Lepidoptera

Lepidoptera

Orthoptera

Heteroptera

Lepidoptera

Scarabaeidae

Coreidae

Aphididae

Aphididae

Apionidae

Pentatomidae

Pentatomidae

Aleyrodidae

Pentatomidae

Coccinellidae

Plataspidae

Aleyrodidae

Thripidae

Coreidae

Coreidae

Noctuidae

Coreidae

Olethreutidae

Pyrrhocoridae

Cicadellidae

Lycaenidae

Noctuidae

Miridae

Cicadellidae

Lagriidae

Lagriidae

Coreidae

Pyalidae

Galerucidae

Thripidae

Coreidae

Meloidae

Meloidae

Pentatomidae

Galerucidae

Halticidae

Alydidae

Lamiidae

Lycaenidae

Noctuidae

Noctuidae

Pyrgomorphidae

Miridae

Tortricidae

l

p

l,p

l,p

sd

p

p

l

p

l

l

sh,l

l

p

l

l

p

p

l

l

p

p

p

l

l

l

p

f,p

l

f

p

f,l,p

p

l

l

p

s

l

p

l

l

l

l, fr, sh





<i>Oryzaephilus surinamensis</i> (L.)	Coleoptera	Silvanidae
<i>Palorus</i> spp.	Coleoptera	Tenebrionidae
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae
<i>Spermophagus subfasciatus</i> Boh.	Coleoptera	Bruchidae
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae
<i>Typhaea stecorea</i> (L.)	Coleoptera	Mycetophagidae

### **Groundnut (*Arachis hypogaea* Linn.)**

<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	I,sh
<i>Aphis gossypii</i> Glover	Hemiptera	Aphididae	I,sh
<i>Anoplocnemis curvipes</i> (F.)	Heteroptera	Coreidae	I,sh
<i>Aspavia armigera</i> (F.)	Hemiptera	Pentatomidae	I
<i>Brachytrupes membranaceus</i> (Drury)	Orthoptera	Gryllidae	I
<i>Diacrisia maculosa</i> (Gram.)	Lepidoptera	Arctiidae	I
<i>Dysdercus supersticiosus</i> (F.)	Hemiptera	Pyrrhocoridae	I,sh
<i>Elasmolomus sordidus</i> (Fabricius)	Hemiptera	Lygaeidae	I,sh
<i>Empoasca</i> spp.	Hemiptera	Cicadellidae	I
<i>Eurymerodesmus</i> spp.	Polydesmida	Eurymerodesmidae	I
<i>Hanseniella</i> sp (Symphilitids)	Symphyla	Scutigeraellidae	I
<i>Helicoverpa armigera</i> (Hb.)	Lepidoptera	Noctuidae	I, sh,fr
<i>Jacobiella facialis</i> (Jacobi)	Hemiptera	Cicadellidae	I
<i>Leptoglossus australis</i> (Fab.)	Heteroptera	Coreidae	I
<i>Macrotermes bellicosus</i> (Smeath).	Isoptera	Termitidae	r
<i>Maruca vitrata</i>	Lepidoptera	Crambidae	I
<i>Mylabris bifasciata</i> De Geer	Coleoptera	Meloidae	I
<i>Mylabris holosericea</i> Klug.	Coleoptera	Meloidae	I
<i>Mylabris lemoulti</i> pic	Coleoptera	Meloidae	f
<i>Palasea</i> sp.	Lepidoptera	Arctiidae	I
<i>Peridontopyge</i> spp.	Spirostreptida	Odontopygidae	I
<i>Selepa docilis</i> Butler	Lepidoptera	Nolidae	I,sh
<i>Spodoptera exigua</i> (Hb.)	Lepidoptera	Noctuidae	I
<i>Spodoptera littoralis</i> (Boisduval)	Lepidoptera	Noctuidae	I
<i>Tetranychus</i> spp.	Acarina	Tetranychidae	I

### **Stored groundnut pests**

<i>Ahasverus advena</i> (Walt)	Coleoptera	Silvanidae
<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae
<i>Carpophilus ligneus</i> Murr.	Coleoptera	Nitidulidae
<i>Caryedon serratus</i> (Olivier)	Coleoptera	Bruchidae
<i>Corcyra cephalonica</i> (Stnt.)	Lepidoptera	Pyralidae
<i>Cryptolestes pusillus</i> (Schonh.)	Coleoptera	Cucujidae
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae
<i>Gnatocerus maxillosus</i> (F.)	Coleoptera	Tenebrionidae
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae
<i>Oryzaephilus Mercator</i> (Fauv.)	Coleoptera	Cucujidae
<i>Oryzaephilus surinamensis</i> (L.)	Coleoptera	Silvanidae
<i>Palorus ratzeburgi</i> (Wissm.)	Coleoptera	Tenebrionidae
<i>Plodia interpunctella</i>	Lepidoptera	Pyralidae
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae
<i>Sitotroga cerealella</i> (Ol.)	Lepidoptera	Gelechiidae
<i>Tenebroides mauritanicus</i> L.	Coleoptera	Tenebrionidae



<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i> Jacquelin du Val	Coleoptera	Tenebrionidae	
<b><u>Soybean (<i>Glycine max</i> Merr.)</u></b>			
<i>Abacetus amaroides</i> Laf.	Coleoptera	Carabidae	I
<i>Adoretus similis</i> Bend	Coleoptera	Rutelidae	I
<i>Acanthomia tomentosicollis</i> (Stal)	Hemiptera	Coreidae	I,sh
<i>Agonoscelis versicolor</i> (F.)	Hemiptera	Pentatomidae	I,sh
<i>Altica</i> spp.	Coleoptera	Chrysomelidae	I
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	p
<i>Aspavia armigera</i> (F.)	Heteroptera	Coreidae	p
<i>Atractomorpha acutipennis</i> (Guerin)	Orthoptera	Acrididae	I
<i>Austroagallia caboverdensis</i> Lindb.	Homoptera	Cicadellidae	I
<i>Barombiella</i> sp.	Coleoptera	Chrysomelidae	I
<i>Catantops melanosticus</i> Schaum.	Orthoptera	Acrididae	I
<i>Clavigralla tomentosicollis</i>	Heteroptera	Coreidae	I
<i>Coptosoma</i> sp. nr. <i>compunctum</i> Montand	Heteroptera	Plataspidae	I
<i>Cryptocephalus nigrum</i> Suffr.	Coleoptera	Cryptocephalidae	I
<i>Cryptocephalus obesus</i> Suffr..	Coleoptera	Cryptocephalidae	I
<i>Cryptolestes pusillus</i> (Schonherr)	Coleoptera	Cryptocephalidae	I
<i>Cydia ptychora</i> Meyr.	Lepidoptera	Olethreutidae	p
<i>Diacrisia</i> sp.	Lepidoptera	Arctiidae	I
<i>Dichomeris ianthes</i> Meyr.	Lepidoptera	Gelechiidae	I
<i>Dysdercus supersticiosus</i> (F.)	Hemiptera	Pyrrhocoridae	I,sh
<i>Dysmicoccus brevipes</i> (Cockerell)	Hemiptera	Pseudococcidae	I,sh
<i>Gynandrophthalma immaculata</i> Lacord	Coleoptera	Clytridae	I
<i>Halticus tibialis</i> (reut.)	Heteroptera	Miridae	p
<i>Helicoverpa armigera</i> (Hb.)	Lepidoptera	Noctuidae	I
<i>Homoneura terminalis</i> Loew	Diptera	Lauxaniidae	I
<i>Lagria cuprina</i> Thoms.	Coleoptera	Lagriidae	p
<i>Lagria villosa</i> F.	Coleoptera	Lagriidae	I,f
<i>Lamprosema indicate</i> (F.)	Lepidoptera	Pyralidae	I
<i>Luperodes quaternus</i> Fairm.	Coleoptera	Galerucidae	I
<i>Maruca testivella</i>	Lepidoptera	Crambidae	I
<i>Nezera viridula</i> (L.)	Heteroptera	Pentatomidae	p
<i>Ootheca mutabilis</i> (Sahlb)	Coleoptera	Galerucidae	I
<i>Pagria gossypii</i> Bry.	Coleoptera	Chrysonelidae	
<i>Podagrica uniformis</i> Jac.	Coleoptera	Halticidae	I
<i>Riptortus dentipes</i> (Fabricius)	Heteroptera	Alydidae	
<i>Selepa docilis</i> Butler	Lepidoptera	Nolidae	I,sh
<i>Signoretia pacifica</i> Walk.	Hemiptera	Cicadellidae	I,sh
<i>Spodoptera littoralis</i> (F.)	Lepidoptera	Noctuidae	I
<i>Taylorilygus vosseleri</i> (Popp.)	Heteroptera	Miridae	I
<i>Tetranychus</i> spp.	Acarina	Tetranychidae	I
<i>Typhaea stecorea</i> (L.)	Coleoptera	Mycetophagidae	
<i>Trilophidia conturbata</i> (Walker)	Orthoptera	Acrididae	I
<i>Trichoplusia ni</i> (Hubner)	Lepidoptera	Noctuidae	I
<i>Vanessa cardui</i> (L.)	Lepidoptera	Nymphalidae	I
<i>Chrysodeixis acuta</i> (Walker)	Lepidoptera	Noctuidae	1,sh
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	I
<b><u>Stored soybean pests</u></b>			
<i>Acanthoscelides obtectus</i> (Say)			
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	

<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<b><u>Broadbean (<i>Vicia faba</i> Linn.)</u></b>			
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,sh
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Leptoglossus</i> spp.	Heteroptera	Coreidae	p
<b><u>Kidney bean (<i>Phaseolus vulgaris</i> Linn.)</u></b>			
<i>Aphis</i> spp.	Homoptera	Aphidae	l
<i>Ferrisia virgata</i> (Ckll.)	Hemiptera	Pseudococcidae	
<i>Lagria cuprina</i> Thoms.	Coleoptera	Lagriidae	l
<i>Maruca vitrata</i> (Geyer)	Lepidoptera	Pyralidae	p
<i>Oothea mutabilis</i> Sahlb	Coleoptera	Galerucidae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Aphis craccivora</i> (Koch)	Hemiptera	Aphididae	l,sh
<i>Myzus persicae</i> (Sulzer)	Hemiptera	Aphididae	l
<b><u>Stored kidney-bean pest</u></b>			
<i>Acanthoscelides obstectus</i> (say.)	Coleoptera	Bruchidae	
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	
<b><u>Lima bean (<i>Phaseolus lunatus</i> Linn.)</u></b>			
<i>Alcidodes aschanticus</i> (Faust)	Coleoptera	Curculionidae	s
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
<i>Etiella zinckenella</i> Tr.	Lepidoptera	Pyralidae	p
<i>Myzus persicae</i> (Sulz.)	Homoptera	Aphididae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Virachola antalus</i> Hopffer	Lepidoptera	Lycaenidae	p
<b><u>Stored lima bean pests</u></b>			
<i>Carpophilus dimidatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Cryphalus phaseoli</i> Eggers	Coleoptera	Scolytidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	Curculionidae	
<i>Acanthoscelides obstectus</i> (say.)	Coleoptera	Bruchidae	
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	
<b><u>Pigeon pea (<i>Cajanus cajan</i> Linn.)</u></b>			
<i>Acanthomia tomentosicollis</i> Stal	Hemiptera	Coreidae	l,sh
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
<i>Clavigralla tomentosicollis</i>	Heteroptera	Coreidae	1,sh
<i>Helicoverpa armigera</i> (Hb.)	Lepidoptera	Noctuidae	l
<i>Maruca vitrata</i> (Geyer)	Lepidoptera	Pyralidae	f,p

**Phenacoccus solenopsis**

*Stictococcus multispinosus* Newst.

*Stictococcus sjostedti* (Ckll.)

Hemiptera

Homoptera

Homoptera

Pseudococcidae

Coccidae

Coccidae

l,sh

l,sh

l,sh

**Stored pest of Pigeon pea**

*Callosobruchus maculatus* (F.)

Coleoptera

Bruchidae

**Key**

f=flower

l=leaf

p=pod

s=stem

## FIBRES

### Cotton (*Gossypium* spp.)

<u>Organism)</u>	<u>Order</u>	<u>Family</u>	<u>Stage of Plant</u>
<i>Alcidodes dentipes</i> (Oliver)	Coleoptera	Curlionidae	s
<i>Acrocercops bifasciata</i> Wlsm	Lepidoptera	Glacilariidae	l
<i>Adoretus umbrosus</i>	Coleoptera	Sacrabaeidae	l
<i>Anomis</i> ( <i>Cosmophila</i> ) <i>flava</i> (F.)	Lepidoptera	Noctuidae	l
<i>Anomis</i> sp.	Lepidoptera	Noctuidae	l
<i>Anoplocnemis curvipes</i> (F.)	Heteroptera	Coreidae	b
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,sh
<i>Apate monachus</i> F.	Coleoptera	Bostrichidae	s
<i>Aphis gossypii</i> (Glover)	Homoptera	Aphididae	l
<i>Argyroploce leucotreta</i> Meyr	Lepidoptera	Olethreutidae	b
<i>Aspavia albidomaculata</i> Stal	Heteroptera	Pentatomidae	b
<i>Aspavia armigera</i> (F.)	Heteroptera	Pentatomidae	b
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Brachytrupes membranaceus</i> (Drury)	Orthoptera	Gryllidae	l
<i>Calidea dregii</i> Germar	Heteroptera	Pyrrhocoridae	b
<i>Cletus unifasciatus</i>	Heteroptera	Coreidae	l
<i>Cenaeus distinguendus</i> Blote	Heteroptera	Pyrrhocoridae	b
<i>Cosmophila flava</i>	Lepidoptera	Erebidae	l
<i>Crptophlebia leucotretao</i>	Lepidoptera	Tortricidae	l
<i>Dacus cilliatu</i> s	Diptera	Tephritidae	fr
<i>Diparopsis watersi</i> (Roths.)	Lepidoptera	Noctuidae	b
<i>Diplognatha gagates</i> (Forst.)	Coleoptera	Cetoniidae	b
<i>Dysdercus intermedius</i> Dist.	Heteroptera	Pyrrhocoridae	b
<i>Dysdercus melanoderes</i> Karsch	Heteroptera	Pyrrhocoridae	b
<i>Dysdercus nigrofasciatus</i> Stal	Heteroptera	Pyrrhocoridae	b
<i>Dysdercus supersticiosus</i> (F.)	Heteroptera	Pyrrhococridae	b
<i>Earias biplaga</i> (wlk.)	Lepidoptera	Noctuidae	b,sh
<i>Earias insulana</i> Boisd.	Lepidoptera	Noctuidae	b,sh
<i>Jacobiella fascialis</i> Jacobi	Hemiptera	Cicadelidae	l
<i>Ferrisia virgata</i> (Ckll.)	Hemiptera	Pseudococcidae	l
<i>Graptotethus apicalis</i> Da	Hemiptera	Lgaeidae	l
<i>Halymorpha annulicornis</i> Sign.	Heteroptera	Pentatomidae	b
<i>Helicoverpa armigera</i> (Hubs.)	Lepidoptera	Noctuidae	l
<i>Helopeltis labau</i> mei Popp.	Heteroptera	Miridae	sh,l
<i>Helopeltis schoutedeni</i> Reut.	Heteroptera	Miridae	b
<i>Lagri villosa</i> (F.)	Coleoptera	Lagriidae	l
<i>Lecithocera</i> sp.	Lepidoptera	Gelechiidae	b
<i>Lema apicipennis</i> Lac.	Coleoptera	Crioceridae	b
<i>Leptocoris griseiventris</i> Westw.	Heteroptera	Coreidae	b
<i>Lygaeus rivularis</i> Germ.	Heteroptera	Lygaeidae	l
<i>Mometa zemiodes</i> Durrant	Lepidoptera	Gelechiidae	b
<i>Melyris abdominalis</i>	Coleoptera	Melyridae	l
<i>Mirperus jaculus</i>	Hemiptera	Alydidae	l
<i>Mylabris lemoulti</i> Pic.	Coleoptera	Meloidae	b,s
<i>Mylabris bifasciats</i>	Coleoptera	Meloidae	l
<i>Nezera viridula</i> (L.)	Heteroptera	Pentatomidae	b
<i>Nisotra sjostedti</i> (Jac.)	Coleoptera	Halticidae	l
<i>Nisotra uniformis</i>	Coleoptera	Halticidae	l
<i>Odontopus sexpunctatus</i> Lap.	Heteroptera	Pyrrhocoridae	l
<i>Oides typographica</i> Rits. Var	Coleoptera	Chrysomelidae	l
<i>Ootheca mutabilis</i> Sahlb.	Coleoptera	Galerucidae	l
<i>Oxycarenu</i> s <i>dudgeoni</i> Dist.	Hemiptera	Lygaeidae	sd
<i>Oxycarenu</i> s spp.	Hemiptera	Lygaeidae	sd

<i>Pachnoda cordata</i> (Drury)	Coleoptera	Cetoniidae	b
<i>Pachnoda marginata</i> (Drury)	Coleoptera	Cetoniidae	b
<i>Parasaissetia nigra</i>	Homoptera	Coccidae	l
<i>Pectinophora ossypiella</i> (Saund.)	Lepidoptera	Gelechiidae	b
<i>Phenacossus solenopsis</i>	Hemiptera	Pseudococcidae	l
<i>Planococcus citri</i>	Hemiptera	Pseudococcidae	l
<i>Pinnaspsis strachani</i> (Cooley)	Homoptera	Coccidae	l
<i>Podagarica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Polyphagotarsonemus latus</i> (Banks)	Acarina	Tetranychidae	l
<i>Pyroderces simplex</i> Wlsm.	Lepidoptera	Cosmopterygidae	b
<i>Sahlbergella singularis</i> Hagl.	Heteroptera	Miridae	l
<i>Schizonycha africana</i> Cast	Coleoptera	Melolonthidae	l
<i>Spodoptera exigua</i>	Lepidoptera	Noctuidae	l
<i>Spodoptera frugiperda</i>	Lepidoptera	Noctuidae	l
<i>Spodoptera littoralis</i> (F.)	Lepidoptera	Noctuidae	l
<i>Stalagmostetmus furcatus</i> (F.)	Heteroptera	Lygaeidae	
<i>Syagrus calcaratus</i> (F.)	Coleoptera	Eumolpidae	r,f
<i>Sylepta derogata</i> (F.)	Lepidoptera	Pyralidae	l
<i>Selepa docilis</i>	Lepidoptera	Noctuidae	l
<i>Tarache nitidula</i> (F.)	Lepidoptera	Noctuidae	l
<i>Tetranychus cinnabarinus</i> .	Acarina	Tetranychidae	l
<i>Thalophila abbreviata</i> F.	Coleoptera	Tenebrionidae	l
<i>Trichoplusia ni</i>	Lepidoptera	Noctuidae	l
<i>Toxoptera aurantii</i> (Boy.)	Hemiptera	Aphididae	l, sh
<i>Taylorilygus vosseleri</i>	Heteroptera	Miridae	
<i>Thrips tabaci</i>	Thysanoptera	Thripidae	l,f
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	l

#### **Stored Cotton Pests**

<i>Acanthoscelides obtectus</i> (Say.)	Coleoptera	Bruchidae	
<i>Alphitobius diaperinus</i> (Panz.)	Coleoptera	Tenebrionidae	b
<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	b
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	b
<i>Coccyra cephalonica</i>	Lepidoptera	Pyralidae	b
<i>Crptolestes pusillus</i>	Coleoptera	Laemophloeidae	b
<i>Oryzaephilus mercator</i> (Fauv.)	Coleoptera	Silvanidae	b
<i>Pyroderces</i> spp.	Coleoptera	Cosmopterygidae	b
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	b
<i>Tribolium confusum</i> (Hbst.)			

#### **Jute (Corchorus sp.)**

<i>Acraea terpsichore</i> L.	Lepidoptera	Nymphalidae	l
<i>Anomis sabulifera</i> Gn.	Lepidoptera	Noctuidae	l
<i>Formieomus</i> sp. nr. <i>niveopilosus</i> ? Fairm	Coleoptera	Anthicidae	l
<i>Gasteroclisus rhomboidalis</i> Boh.	Coleoptera	Curculionidae	l
<i>Gynandrophthalma elongata</i> Jac.	Coleoptera	Clytridae	l
<i>Gynandrophthalma malverensis</i> Jac.	Coleoptera	Clytridae	l
<i>Medythia quaterna</i> (=Luperodes lineata) Fairm.	Coleoptera	Galerucidae	l
<i>Mesoplaps cincta</i> Mir.	Coleoptera	Chrysomelidae	l
<i>Podagrica</i> spp.	Coleoptera	Halticidae	l
<i>Prostephanus</i> spp.	Coleoptera	Elateridae	l
<i>Spodoptera exigua</i> (Hb.)	Lepidoptera	Noctuidae	

#### **Kenaf (Hibiscus cannabinus L.)**

<i>Acanthareta flavictosta</i> Hamps	Lepidoptera		l
<i>Alcides crassirastris</i> Thoms.	Coleoptera	Curculionidae	s
<i>Alcidodes</i> spp.	Coleoptera	Curculionidae	s
<i>Amyna axis</i> Gu.	Lepidoptera	Erebidae	l

<i>Anaemerus tomentosus</i> F.	Coleoptera	Notodontidae	l
<i>Apion burgeni</i> Hust.	Coleoptera	Apionidae	fr
<i>Archips occidentis</i> Walker	Lepidoptera	Totricidae	l
<i>Argina leonina</i>	Lepidoptera	Arctiidae	l
<i>Baris cruenta</i> Fst.	Coleoptera	Curculionidae	s
<i>Borbo</i> spp.	Lepidoptera	Hesperiidae	l
<i>Calidea dregii</i> Germar	Heteroptera	Pentatomidae	l
<i>Calosposama dejean</i> Lever.	Coleoptera	Eumolpidae	l
<i>Cardiophorus subspinosus</i>	Coleoptera	Elateridae	l
<i>Cautires apicalis</i> Kl.	Coleoptera	Lycidae	l
<i>Cautires certus</i> Kl.	Coleoptera	Lycidae	l
<i>Cautires</i> sp.	Coleoptera	Lycidae	l
<i>Cerostira pachycera</i> Bm.	Coleoptera	Lagriidae	l
<i>Cerostira subaenea</i> Bm.	Coleoptera	Lagriidae	l
<i>Cryptocephalus bifasciatus</i> F.	Coleoptera	Cryptocephalidae	l
<i>Cryptocephalus obesus</i> Suffr.	Coleoptera	Cryptocephalidae	l
<i>Cryptoflata unipunctata</i> Oliv.	Homoptera	Flatidae	l
<i>Dactylispa pallides</i> Kraatz.	Coleoptera	Hispidae	l
<i>Dereodus</i> sp.nr. <i>vagabundus</i> Fit.	Coleoptera	Curculionidae	l
<i>Derolagria dermatodes</i> Fairm	Coleoptera	Lagriidae	l
<i>Derolagria</i> spp.	Coleoptera	Lagriidae	l
<i>Dysdercus</i> spp	Heteroptera	Pyrrhocoridae	fr
<i>Earias biplaga</i> Wlk.	Lepidoptera	Noctuidae	sh,b
<i>Eryxia holosericea</i>	Coleoptera	Eumolpidae	l
<i>Euchrysops</i> sp.	Lepidoptera	Lycaenidae	l
<i>Gasteroclisus rhomboidalis</i> Boh.	Coleoptera	Curculionidae	l
<i>Glypsus conspicuus</i> Westw.	Heteroptera	Pentatomidae	l
<i>Helicoverpa armigera</i> (Hb.)	Lepidoptera	Noctuidae	l
<i>Homoesma</i> sp.	Lepidoptera	Pyalidae	l
<i>Hotea subfasciata</i>	Heteroptera	Pentatomidae	fr
<i>Hypolixus nubilosus</i> Boh.	Coleoptera	Curculionidae	l
<i>Karaehiiphaga aeneipennis</i> Lab.	Coleoptera	Galerucidae	l
<i>Lagria cuprina</i> Thoms.	Coleoptera	Lagriidae	l
<i>Lebia melanura</i> Deg.	Coleoptera	Carabidae	l
<i>Leocyma camilla</i> Druce	Lepidoptera	Noctuidae	l
<i>Lobotrachelus seriatus</i> Hust.	Coleoptera	Curculionidae	l
<i>Lycus</i> spp.	Coleoptera	Lycidae	l
<i>Melyris abdominalis</i> F.	Coleoptera	Dasytidae	l
<i>Mesoleurus</i> sp.	Coleoptera	Curculionidae	l
<i>Metapiosplata insocid</i> Walker	Lepidoptera	Erebidae	l
<i>Monolepta intermedia</i> Rits	Coleoptera	Galerucidae	l
<i>Mylabris</i> sp.	Coleoptera	Meloidae	l
<i>Nematocerus acerbus</i> Fst.	Coleoptera	Curculionidae	l
<i>Nezera viridula</i> (L.)	Heteroptera	Pentatomidae	l
<i>Nisotra sjostedti</i> (Jac.)	Coleoptera	Halticidae	l
<i>Omocena syrtis</i> Schau Clem	Lepidoptera	Limacodidae	l
<i>Ootheca mutabilis</i> (Sahlb.)	Coleoptera	Galerucidae	l
<i>Orgyia</i> sp.nr. <i>mixta</i> Smellon	Lepidoptera	Lymantriidae	l
<i>Pachnoda vuletti</i> Burgoin	Coleoptera	Cetoniidae	l
<i>Paraivongius murrayi</i> Baly.	Coleoptera	Eumolpidae	l
<i>Paraivongius pallidiori</i> Pc.	Coleoptera	Eumolpidae	l
<i>Pectinophora gossypiella</i> Saund.	Lepidoptera	Gelechiidae	l
<i>Phaenoderus</i> sp.nr. <i>laniger</i> Mshl.	Coleoptera	Curculionidae	l
<i>Phaenoderus pracustus</i> L.	Coleoptera	Curculionidae	l
<i>Phaenoderus</i> sp.	Coleoptera	Curculionidae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l

<i>Sphenoptera (Holistura) sp.</i>	Coleoptera	Buprestidae	I
<i>Spilostethus rivularis</i> (Germ)	Heteroptera	Lygaeidae	I
<i>Spodoptera littoralis</i> (Boisd.)	Lepidoptera	Noctuidae	I
<i>Syagrus calcaratus</i> F.	Coleoptera	Eumolpidae	r
<i>Tarache cynocraspis</i> L.	Lepidoptera	Noctuidae	I
<i>Tarache gratiosa</i> L.	Lepidoptera	Noctuidae	I
<i>Xanthodes graellsii</i> (Feisth)	Lepidoptera	Noctuidae	I

**Key**

b=boll      f=flowers      fr=fruit      l=leaf  
r=roots      s=stems      sd=seeds  
sh=shoot

## OIL CROPS

### Oil palm (*Elaeis guineensis*. Jacq.)

Organism	Order	Family	Plant Part attacked
<i>Adoretus umbrosus</i> (F.)	Coleoptera	Rutelidae	l
<i>Augosoma contaurus</i>	Coleoptera	Dynastidae	l
<i>Ceroplastes vinsonioides</i> Newst.	Homoptera	Coccidae	fr
<i>Coelaenomenodera alaeidis</i>	Coleoptera	Chrysomelidae	l
<i>Coelaenomenodera lameensis</i>	Coleoptera	Hispidae	l
<i>Cryptonychellus palmarum</i> Maulik	Coleoptera	Hispidae	l
<i>Ischnaspis longirostris</i>	Hemiptera	Diaspididae	l
<i>Latoia viridissima</i>	Coleoptera	Limacodidae	l
<i>Leptoatada sjostedti</i>	Lepidoptera	Notodontidae	l
<i>Leptoglossus australis</i>	Hemiptera	Coreidae	l
<i>Monolepta apicicornis</i>	Coleoptera	Galerucidae	l
<i>Oryctes boas</i>	Coleoptera	Scarabaeidae	l
<i>Oryctes monoceros</i>	Coleoptera	Scarabaeidae	l
<i>Pachymerus lacerdae</i> (Chev.)	Coleoptera	Curculionidae	fr
<i>Pimelephila ghesquiere</i> Trams	Lepidoptera	Pyralidae	l
<i>Rhynchophorus phoenicis</i> (F.)	Coleoptera	Curculionidae	s,l
<i>Schizonycha africana</i> Cast.	Coleoptera	Melolonthidae	l
<i>Sufetula nigrescens</i>	Lepidoptera	Pyralidae	l
<i>Temnoschoita quadripustulata</i>	Coleoptera	Curculionidae	s,l
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	l
<i>Macrotermes</i> spp.	Isoptera	Termitidae	s

### Stored oil palm kernel pests

<i>Ahasverus advena</i> (Walt)	Coleoptera	Silvanidae	Ke
<i>Aracearus fasciculatus</i>	Coleoptera	Anthribidae	ke
<i>Carpophilus dimidiatus</i>	Coleoptera	Nitidulidae	ke
<i>Cocotrypes pygmaeus</i> Eichh.	Coleoptera	Scolytidae	ke
<i>Cryptolestes pusillus</i>	Coleoptera	Laemophloeidae	ke
<i>Necrobia rufipes</i> (Deg.)	Coleoptera	Cleridae	ke
<i>Oryzaephilus mercator</i> (L.)	Coleoptera	Silvanidae	ke
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae	ke
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	ke

### Coconut (*Cocos nucifera* Linn.)

<i>Aspidiotus destructor</i> Sign.	Homoptera	Diaspididae	l
<i>Aleurodicus dispersus</i> Russel	Hemiptera	Aleyrodidae	
<i>Augosoma centaurus</i> F.	Coleoptera	Scarabaeidae	
<i>Ceroplastes rusci</i> L.	Homoptera	Coccidae	



<i>Chalconycles catori</i> jord.	Orthoptera	Pyrgomorphidae	
<i>Chlorichaeta tuberculosa</i> Becker	Diptera	Ephydriidae	
<i>Coelaenomenodera elaeidis</i>	Coleoptera	Chryssomelidae	
<i>Coelaenomenodera lameensis</i>	Coleoptera	Hispidae	
<i>Cryptotoychellus palmarum</i> Maulik	Coleoptera	Hispidae	I
<i>Dynastes centaurus</i> F.	Coleoptera	Scarabaeidae	
<i>Dysmicoccus brevipes</i> (Cockerell)	Hemiptera	Pseudococcidae	
<i>Eldana saccharina</i> Walker	Lepidoptera	Pyralidae	
<i>Eriophyes guerreronis</i> Keifer	Acarina	Eriophyidae	
<i>Erythroneura</i> spp.	Homoptera	Cicadellidae	I
<i>Gyllenhalius palmarum</i> Mlk	Coleoptera	Chryssomelidae	I
<i>Furcivena rhodoneuralis</i> Hampson	Lepidoptera	Pyralidae	
<i>Gryllotalpa</i> spp.	Orthoptera	Gryllotalpidae	sh
<i>Homophylotis catori</i> Jord	Lepidoptera:	Zygaenidae	
<i>Icerya sulphurea var pattersoi</i> Newt	Homoptera	Margarodidae	
<i>Ischapsis longirostris</i> (Sign.)	Homoptera	Coccidae	
<i>Latoia pallida</i> Mschr.	Lepidoptera	Limacodidae	I
<i>Latoia viridissima</i> Holland	Lepidoptera	Limacodidae	I
<i>Microtermes solidus</i> Silv.	Isoptera	Termitidae	r,s
<i>Microtermes splendens</i> Sjost.	Isoptera	Termitidae	r,s
<i>Macrotermes nigrens</i> (Sjost.)	Isoptera	Termitidae	s
<i>Myndus adiopodomensis</i>	Homoptera	Cicadellidae	I
<i>Nasutitermes latifrons</i> Sjost.	Isoptera	Termitidae	s
<i>Necrobia rufipes</i> (Degeer)	Coleoptera	Cleridae	
<i>Oryctes boas</i> (F.)	Coleoptera	Dynastidae	I
<i>Oryctes monoceros</i> (OL.)	Coleoptera	Dynastidae	I
<i>Oryctes owariensis</i> P.de.B.	Coleoptera	Dynastidae	I
<i>Pachnoda cordata</i> (Dury)	Coleoptera	Scarabaeidae	
<i>Parasa pallida</i> Mschr	Lepidoptera	Limacodidae	
<i>Pinnapsis buxi</i> (Bouche)	Homoptera	Coccidae	I
<i>Platygenia barbata</i> (Afzel)	Coleoptera	Cetoniidae	I
<i>Pseudothertapus devastans</i> Distant.	Heteroptera	Coreidae	
<i>Pteroteinon laufella</i> Hewitson	Lepidoptera	Hesperiidae	
<i>Pyrrhochalcia iphis</i> Dru.	Lepidoptera	Hesperiidae	I
<i>Recialia mica</i> Kramer	Homoptera	Cicadellidae	
<i>Rhina afzelii</i> Fahrs	Coleoptera	Curculionidae	I,s
<i>Rhynchophorus phoenicis</i> (F.)	Coleoptera	Curculionidae	I,s
<i>Sogatella cubana</i> Crawford	Homoptera	Delphacidae	
<i>Sogatella kolophon</i> Kirkaldy	Homoptera	Delphacidae	
<i>Stroteroides nigrisignata</i> Strand	Lepidoptera	Limacodidae	I
<i>Temnoschoita quadripustulata</i> (Gyllenhall)	Coleoptera	Curculionidae	I
<i>Termes splendens</i> (Sjost)	Isoptera	Termitidae	s
<i>Thosea chrysoparala</i> Tams	Lepidoptera	Limacodidae	I
<i>Tirathada rufivena</i> Walker	Lepidoptera	Pyralidae	
<i>Trinervitermes auriterrae</i> Sjost	Isoptera	Termitidae	s
<i>Zophopetes cerymica</i> Hawitson	Lepidoptera	Hesperiidae	

*Zonocerus variegatus* (L.) Orthoptera Pyrgomorphidae I

**Stored coconut (copra) pests**

<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Silvanidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	
<i>Dermestes ater</i> Deg.	Coleoptera	Dermestidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	
<i>Gnatocerus cornutus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Necrobia rufipes</i> (Deg.)	Coleoptera	Cleridae	
<i>Oryzaephilus mercator</i> (L.)	Coleoptera	Silvanidae	
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	

**Vitellaria paradoxa (=Butyrospermum parkii) Kotschy (Shea butter)**

<b><i>Acrocercops syngamma</i></b>	<b>Lepidoptera</b>	<b>Gracillariidae</b>	<b>I,s</b>
<i>Afrodolius polylineatus</i> (Hustache)	Coleoptera	Curculionidae	
<i>Afroeurymdemus</i> sp.	Coleoptera	Eumolpidae	
<i>Alogista</i> sp.	Coleoptera	Alleculidae	
<i>Apate terebrans</i> (Pallas)	Coleoptera	Bostrychidae	sh
<i>Alphelochroa</i> sp.	Coleoptera	Cleridae	
<b><i>Analeptes trfasciata</i></b>	<b>Coleoptera</b>	<b>Cerambycidae</b>	<b>br</b>
<i>Atelocera spinulosa</i> Palisat de Beauvois	Heteroptera	Pentatomidae	
<i>Beiratia</i> sp.	Coleoptera	Galerucidae	
<i>Bostra glaucalis</i> Hmps.	Lepidoptera	Pyralidae	I
<i>Bostrychoplites cornutus</i> (Oliver)	Coleoptera	Bostrychidae	sh
<i>Cardiophorus quadriplagiatus</i> Er.	Coleoptera	Elateridae	sh
<i>Cardiophorus phaeopterus</i> Candeze	Coleoptera	Elateridae	sh
<b><i>Ceratitis capitata</i></b>	<b>Diptera</b>	<b>Tephritidae</b>	<b>fr</b>
<b><i>Ceratitis cosyra</i></b>	<b>Diptera</b>	<b>Tephritidae</b>	<b>fr</b>
<i>Cirina butyrospermi</i> Vuillot	Lepidoptera	Saturnidae	I
<i>Cirina forda</i> (Westwood)	Lepidoptera	Saturnidae	I
<i>Copteosoma tabiense</i> Linnavuori	Heteroptera	Plataspidae	
<i>Curimosphena senegalensis</i> Haag.	Coleoptera	Tenebrionidae	sh
<i>Dereodus vagabandus</i> Faust	Coleoptera	Curculionidae	
<i>Glypsus consipicuus</i> Wesw	Heteroptera	Pentatomidae	
<i>Mesomorpha</i> spp.	Coleoptera	Tenebrionidae	
<i>Miopristis</i> spp.	Coleoptera	Clytridae	
<i>Mussidia pectinicornella</i> Hmps.	Lepidoptera	Pyralidae	fr
<i>Myllocerus senegalensis</i> (Hautache)	Coleoptera	Curculionidae	
<i>Nephopteryx orphnanthes</i> Mmeyer.	Lepidoptera	Pyralidae	fr
<b><i>Nephopterix</i> spp.</b>	<b>Lepidoptera</b>	<b>Pyralidae</b>	<b>fr</b>
<i>Ortalia</i> sp.	Coleoptera	Coccinellidae	

<i>Paraivongius rufipes</i> (Weise)	Coleoptera	Eumolpidae	
<i>Paraivongius</i> sp.	Coleoptera	Eumolpidae	
<i>Phascus</i> sp.	Coleoptera	Dictyopharidae	
<i>Philematium festivum</i>	Coleoptera	Cerambycidae	sh
<i>Philotheria</i> sp.	Homoptera	Anthribidae	
<i>Phloeobius</i> sp.	Coleoptera	Carabidae	
<i>Pseudotheraptus devastans</i>	Heteroptera	Coreidae	l,sh,inf
<i>Villiersicoris</i> sp.	Heteroptera	Lagriidae	
<i>Xenogena critinita</i> (Borchmann)	Coleoptera	Scolytidae	s
<i>Xyloctonus quadricinetus</i> Schedl	Coleoptera	Scolytidae	sh
<i>Xyloctonus scolytoides</i> Eichh.	Coleoptera	Scolytidae	

### Stored shea butter nut pests

<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Silvanidae	
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Carpophilus</i> sp.	Coleoptera	Nitidulidae	
<i>Corcyra cephalonica</i> (Stnt)	Lepidoptera	Pyralidae	
<i>Lasiodactylus subproductus</i> Reitt	Coleoptera	Nitidulidae	
<i>Oryzaephilus mercator</i> (Fauv.)	Coleoptera	Silvanidae	
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae	

### *Sesamum indicum* Linn. (Sesame)

<i>Antigastra catalaunalis</i> (Dup.)	Lepidoptera	Pyralidae	
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### Stored sesame pests

<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Silvanidae	
<i>Alphitobius laevigatus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Aphanus sordidus</i> (F.)	Heteroptera	Lygaeidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	
<i>Ephestia cautella</i> (Wik.)	Lepidoptera	Pyralidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Lophocarteres pusillus</i> (Klug.)	Coleoptera	Lophocateridae	
<i>Necrobia rufipes</i> (Deg.)	Coleoptera	Cleridae	
<i>Oryzaephilus mercator</i> (L.)	Coleoptera	Silvanidae	
<i>Palorus ratzeburgi</i> (Wissm.)	Coleoptera	Tenebrionidae	
<i>Plodia interpunctella</i> (Hubn.)	Lepidoptera	Pyralidae	
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae	
<i>Tenebriodes mauritanicus</i> (L.)	Coleoptera	Tenebrionidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	

### *Helianthus annuus* Linn. (Sunflower)

<i>Bemisia tabaci</i>	Hemiptera	Aleyrodidae	
<i>Diacrisia lutescens</i> (Wik.)	Lepidoptera	Arctiidae	

*Helicoverpa armigera*  
*Phenacoccus solenopsis*

Lepidoptera  
Hemiptera

Noctuidae  
Pseudococcidae

Key

f=flowers, fr=fruit, l=leaf, s=stem,  
sh=shoot

Kernel=ke

**FORESTRY AND PLANTATION**  
**TREES AND TIMBER**

**Senna siamea (Cassia siamea)**  
**(Siamese cassia, sindian)**

<b><u>Organism</u></b>	<b><u>Order</u></b>	<b><u>Family</u></b>	<b><u>Stage of Plant</u></b>
<i>Diacrisia lutescens</i> Walker	Lepidoptera	Arctiidae	I
<i>Epanaphe mobonyi</i> Druce	Lepidoptera	Notodontidae	I
<i>Eublemma versicolora</i> Walker	Lepidoptera	Noctuidae	f, fr
<i>Frankliniella schultzei</i>	Thysanoptera	Thyrididae	I
<i>Hypothenemum uniseriatus</i> Egg	Coleoptera	Scolytidae	sd
<i>Maconellicoccus hirsutus</i> (Green)	Hemiptera	Pseudococcidae	I
<i>Mussidia nigrivenella</i> Ragenot	Lepidoptera	Pyralidae	fr
<i>Parastichtia</i> sp	Lepidoptera	Noctuidae	I
<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Coccidae	I
<i>Thrips tabaci</i> Lindema	Thysanoptera	Thyrididae	I
<i>Thylacoptile paurosema</i>	Lepidoptera	Pyralidae	I, fr
<b><u>Store Cassia siamese seed pest</u></b>			
<i>Mussidia nigrivenella</i> Rag	Lepidoptera	Pyralidae	sd
<b><u>Leucaena leucocephala (Lam.) deWit</u></b>			
<i>Aetheomorpha nigropicta</i> (Lef.)	Coleoptera	Chrysomelidae	f, fr
<i>Heteropsylla cubana</i> (Crawford)	Homoptera	Psyllidae	
<i>Parastichtia</i> sp	Lepidoptera	Noctuidae	I
<b><u>Leucaena glauca</u></b>			
<i>Syagrus</i> sp.	Coleoptera	Eumolpidae	I
<i>Ferrisia virgata</i>	Hemiptera	Pseudococcidae	I
<b><u>Acacia mangium Willd</u></b>			
<i>Anoplocnemis curvipes</i> Fabricius	Homoptera	Coreidae	sh
<i>Astycus lateralis</i> Fabricius	Coleoptera	Curculionidae	I
<i>Coccus elongatus</i> Signoret	Homoptera	Coccidae	sh
<i>Coccus hesperidum</i> Linn.	Homoptera	Coleoptera	sh
<i>Parastichtia</i> sp.	Lepidoptera	Noctuidae	I
<b><u>Acacia spp.</u></b>			
<i>Chilades elensis</i> (DEM)	Lepidoptera	Lycaeenidae	sh
<i>Planacoccoides njalensis</i> (Laing)	Lepidoptera	Lycaeenidae	sh
<i>Nyctipao walkeri</i> Btlr	Lepidoptera	Noctuidae	sh

<i>Catopsilia florella</i> (F)	Lepidoptera	Pieridae	sh
<i>Charama nilotica</i> Hmps	Lepidoptera	Noctuidae	fr
<i>Ferrisia virgata</i> (Ckll)	Hemiptera	Coccidae	fr
<i>Bruchidius uberatus</i> (Fahreaus)	Coleoptera	Bruchidae	p
<i>Euproctis fasciata</i>	Lepidoptera	Lymantriidae	l
<i>Aonidiella orientalis</i> Newstead	Hemiptera	Diaspididae	l
<i>Ceroplastes destructor</i> Newstead	Hemiptera	Coccidae	l
<i>Hemiberlesia latamiae</i> Signoret	Hemiptera	Diaspididae	l
<i>Coccus hesperidum</i>	Hemiptera	Coccidae	sh
<i>Megalurothrips distalis</i>	Coleoptera	Bruchidae	fl

**Stored pest of *Acacia* spp.**

<i>Bruchidius uberatus</i> (Fahreaus)	Coleoptera	Bruchidae	sd
<i>Callosobruchus maculatus</i>	Coleoptera	Bruchidae	sd

**Eucalyptus (*Eucalyptus* spp.)**

<i>Apate terebrans</i> Pall.	Coleoptera	Bostrichidae	sh,s
<i>Anaemerus tomentosa</i> Fabr.	Coleoptera	Curculionidae	l
<i>Analeptes trifasciata</i> Fabr.	Coleoptera	Cerambycidae	gd
<i>Cordylomera spinicornis</i>	Coleoptera	Cerambycidae	sh
<i>Euproctis fasciata</i> (Walker)	Lepidoptera	Lymantriidae	l
<i>Orgyia basali affinis</i> (Holland)	Lepidoptera	Lymantriidae	l
<i>Phymateus kazschi</i> (Bol.)	Orthoptera	Acrididae	l
<i>Spodoptera litoralis</i> (Boisduval)	Lepidoptera	Noctuidae	gd
<i>Strepsicrates rorthia</i> Meyr.	Lepidoptera	Tortricidae	l
<i>Trachyostus aterrimus</i>	Coleoptera	Platypodidae	s

**Stored pest of *Eucalyptus* (*Eucalyptus* spp.)**

<i>Platypus hintzi</i>	Coleoptera	Platypodidae	s
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**Cassia spectabilis DC**

<i>Bostrychoplites cylindricus</i> Flos	Coleoptera	Bostrichidae	sh
<i>Xyloperthodes orthogonius</i> Lesne	Coleoptera	Bostrichidae	s

***Carapa procera***

<i>Ceratititis calae</i> Silv	Diptera	Trypetidae	fr
<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Coccidae	fr

***Cedrela adorata***

<i>Apate tenebrans</i> Pallens	Coleoptera	Bostrichidae	sh
<i>Doliopygus conradti</i>	Coleoptera	Platypodidae	l
<i>Godasa sidae</i>	Lepidoptera	Hispididae	l
<i>Polygraphus busseae</i>	Coleoptera	Scolytidae	sh

***Ceiba Petandara***

<i>Analeptes trifasciata</i> Fabr	Coleoptera	Cerambycidae	l
<i>Apate tenebrans</i> Pallens	Coleoptera	Bostrichidae	sh
<i>Ascotis reciprocaria</i>	Lepidoptera	Geometridae	sh
<i>Ascotis selenaria</i>	Lepidoptera	Geometridae	br

<i>Coccus hesperidum</i> L.	Homoptera	Coccidae	s
<i>Cryptophlebia leucotreta</i>	Lepidoptera	Tortricidae	s
<i>Dinoderus bifoveolatus</i>	Coleoptera	Bostrichidae	s
<i>Distantiellatheobromae</i> (Distant)	Hemiptera	Miridae	s
<i>Earias biplaga</i> Walker	Lepidoptera	Noctuidae	s
<i>Haritalodes derogaga</i> Fabricius	Lepidoptera	Crambidae	s
<i>Helopeltis schoutedeni</i> Reuter	Hemiptera	Miridae	whl
<i>Icerya sychellarum</i> (Westwood)	Hemiptera	Margarodidae	whl
<i>Maconellicoccus hirsutus</i> (Green)	Hemiptera	Pseudococcida	whl
		e	
<i>Parasaissetia nigra</i> (Nietner)	Hemiptera	Coccidae	whl
<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Pseudococcida	whl
		e	
<i>Planococcus citri</i> (Risso)	Hemiptera	Pseudococcida	whl
		e	
<i>Planococcus kenyae</i> (Le Pelley)	Hemiptera	Pseudococcida	whl
		e	
<i>Pseudaulacaspis pentagona</i> (Targioni Tozzetti) MacGillivray)	Hemiptera	Pseudococcida	whl
		e	
<i>Pseudococcus longispinus</i> Targioni Tozzetti	Hemiptera	Pseudococcida	whl
		e	
<i>Selenothrips rubrocinctus</i> (Giard)	Thysanoptera	Thripidae	whl
<i>Xylosandrus crassiusculus</i> (Motschulsky)	Coleoptera	Scolytidae	whl

### ***Celtis mildbraedii***

<i>Acrocera con compressa</i> Fahr	Coleoptera	Cerambycidae	br
<i>Acrocera conjux</i> Toms	Coleoptera	Cerambycidae	sh
<i>Acridoschema isidori</i> Chevr	Coleoptera	Cerambycidae	sp
<i>Apate monachus</i> Fahr	Coleoptera	Bostrichidae	br
<i>Doliopygus coelocephalus</i> Schauf	Coleoptera	Platypopidae	br
<i>Doliopygus conrodti</i> Schauf	Coleoptera	Platypopidae	br
<i>Doliopygus exilis</i> Chap	Coleoptera	Platypopidae	sh
<i>Doliopygus perbrevis</i> Schedl	Coleoptera	Platypopidae	sh
<i>Doliopygus serratus</i> Strohm	Coleoptera	Platypopidae	sh
<i>Doliopygus unispinosus</i>	Coleoptera	Platypopidae	sh
<i>Dinoderus bifoveolatus</i>	Coleoptera	Bostrichidae	br
<i>Hypothenemus schaufussi</i>	Coleoptera	Scolytidae	sh
<i>Premnobius cavipennis</i>	Coleoptera	Scolytidae	sh
<i>Strombophorus ericius</i>	Coleoptera	Platypopidae	sh
<i>Trachyostus aterrimus</i> Schauf	Coleoptera	Platypopidae	sp
<i>Trachyostus schaufussi</i>	Coleoptera	Platypopidae	sh
<i>Xyleborus indicus</i>	Coleoptera	Scolytidae	sh
<i>Xyleborus mascarensis</i>	Coleoptera	Scolytidae	sh
<i>Xyleborus semiopacus</i> Eichh	Coleoptera	Scolytidae	sh

### **Stored *Celtis mildbraedii* pest**

<i>Doliopygus propinguus</i> Schedl	Coleoptera	Platypopidae	
<i>Platypus hintzi</i> Schauf	Coleoptera	Platypopidae	



**Gozanga, Gum yielding plant**  
**(Acacia (Faidherbia) albida Del.**

<i>Homoeocerus wallceri</i> Kirby	Heteroptera	Coreidae	sh,l
<i>Zeuzera coffeae</i> Nietner	Lepidoptera	Cossidae	s

**Woman's tongue, East India**  
**Walnut, Darkwood acacia (Albizia**  
**lebbeck (L) Benth)**

<i>Syntarucus plinius</i> Fabricius	Lepidoptera	Lycaenidae	f
<i>Xyloperthodes orthogonius</i> Lesne	Coleoptera	Bostrichidae	sh
<i>Xystrocera globosa</i> Olivier	Coleoptera	Cerambycidae	sh

***Albizia adianthifolia***

<i>Charaxes eupale</i> (Drury)	Lepidoptera	Nymphalidae	sd
<i>Emmonodia capensis</i> Herr. Schaf	Lepidoptera	Noctuidae	sd
<i>Pericyma mendax</i> Walk	Lepidoptera	Nymphalidae	sd

***Albizia ferruginea***

<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Coccidae	sd
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***Albizia zygia***

<i>Achaea albifimbria</i>	Hemiptera	Miridae	l,s
<i>Achaea lienardi</i> Boisd	Lepidoptera	Noctuidae	l,s
<i>Acridoschema isidori</i> Chevr	Coleoptera	Cerambycidae	sh
<i>Anua ophiusa</i> (Cramer)	Lepidoptera	Lymantriidae	l,s
<i>Argyrotagma niobe</i> Weym	Lepidoptera	Lymantriidae	s
<i>Diacrisia attrayi</i> Roths	Lepidoptera	Arctiidae	l
<i>Doliopygus chapuisi</i>	Coleoptera	Platypopidae	s
<i>Doliopygus perminutissimus</i>	Coleoptera	Platypopidae	s
<i>Eccoptopterus sexspinosus</i> Motsch	Coleoptera	Curculionidae	s
<i>Enmonodia capensis</i> Herr. Schaf	Lepidoptera	Noctuidae	s
<i>Entomogramma pardus</i> Guen	Lepidoptera	Noctuidae	s
<i>Ericeia sobria</i> Wlk	Lepidoptera	Noctuidae	s
<i>Euphoresia maculiscutum</i> Fairm	Coleoptera	Melolonthidae	l,s
<i>Euproctis utilis</i> Swin	Lepidoptera	Lymantriidae	l,s
<i>Lygus neavsi</i>	Hemiptera	Coccidae	l,s
<i>Nadasi splendens</i> Druce	Lepidoptera	Lasiocampidae	l,s

***Nudaurelia dione***

<i>Nudaurelia dione</i>	Lepidoptera	Saturniidae	l
<i>Pericymamendax</i> Wlk	Lepidoptera	Noctuidae	s
<i>Planococcoides njalensis</i> (Laing)	Lepidoptera	Noctuidae	l,s
<i>Platypodidae chaetastus</i>	Coleoptera	Platypopidae	s
<i>Platypus hintzi</i> Schauf	Coleoptera	Platypopidae	s
<i>Polydesma umbricola</i>	Lepidoptera	Noctuidae	s
<i>Parallelia</i> spp.	Lepidoptera	Noctuidae	l,s
<i>Symmerus tuberculatus</i> (synonym)	Coleoptera	Platypopidae	sh
<i>Triozaustus elongatus</i> Schedl	Coleoptera	Platypopidae	s
<i>Xloperthodes orthogonius</i> Lesne	Coleoptera	Bostrichidae	sh
<i>Xyleborus badius</i> Eichh	Coleoptera	Scolytidae	s



<i>Xyleborus sharpei</i> Hap	Coleoptera	Scolytidae	sh
<i>Xyleborus mascarensis</i> Eichh	Coleoptera	Scolytidae	s
<i>Xyleborus semiocapus</i> Eichh	Coleoptera	Scolytidae	s
<i>Xylopertha crinitarsis</i>	Coleoptera	Bostrichidae	s
<b><i>Albizia adianthifolia</i></b>	Hemiptera	Mirididae	
<i>Distantiella theobromae</i> (Dist)	Hemiptera	Pyrrhocloridae	
<i>Dysdercus superstitious</i> (F)	Lepidoptera	Noctuidae	
<i>Odontopus sexpunctatus</i> Lap	Lepidoptera	Lasiocampidae	
<b><i>Alchornia cordifolia</i></b>			
<i>Achaea albifimbria</i>	Lepidoptera	Noctuidae	s
<i>Anua ophiusa</i> Cramer	Lepidoptera	Lymantridae	l
<i>Euphoresia maculiscutum</i> Fairm.	Coleoptera	Melolonthidae	l
<i>Euproctis utilis</i> Swin.	Lepidoptera	Lasiocampidae	l
<i>Lygus neavsi</i>	Hemiptera	Miridae	s
<i>Nadisa splendens</i> Druce	Lepidoptera	Lasiocampidae	l
<i>Planococcoides njalensis</i> Laing	Hemiptera	Coccidae	s
Lepidoptera	Lepidoptera	Noctuidae	S
<b><i>Antiaris africana</i></b>			
<i>Apate monachus</i> Fabr	Coleoptera	Bostrichidae	s
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	s
<i>Platypus hintzi</i> Schauf	Coleoptera	Platypodidae	s
<i>Platypus intermedius</i> Strohm	Coleoptera	Platypodidae	s
<i>Trachyostus schaufussi</i> Schedl	Coleoptera	Platypodidae	s
<i>Triozamia lambourni</i> Newstead	Homoptera	Pyralidae	sh
<i>Xyleborus camerunus</i> Hag	Coleoptera	Scolytidae	s
<i>Xyleborus ferrugineus</i>	Coleoptera	Scolytidae	s
<i>Xyleborus scabrior</i> Schedl	Coleoptera	Scolytidae	s
<i>Xylopertha crinitarsis</i>	Coleoptera	Bostrichidae	s
<b><i>Azadirachta indica</i></b>			
<i>Aonidiella orientalis</i> Newstead	Hemiptera	Diaspididae	s
<i>Apate monachus</i> Fabricius	Coleoptera	Bostrichidae	s
<i>Ceroplastes destructor</i> Newstead	Hemiptera	Coccidae	s
<i>Pseudaulacapis pentagona</i>	Hemiptera	Diaspididae	s
<b><i>Blighia sapida</i></b>			
<i>Acridoschhema isidori</i> Chevr	Coleoptera	Cerambycidae	sh
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	sh
<i>Doliopygus perbrevis</i> Schedl	Coleoptera	Platypodidae	sh
<i>Doliopygus serratus</i> Strohm	Coleoptera	Platypodidae	sh
<i>Platypus hintzi</i> Schauf	Coleoptera	Platypodidae	s
<i>Premnobius cavipennis</i> Eichh	Coleoptera	Scolytidae	sh

**Casuarina equisetifolia L.**

<i>Aristobia approximata</i> Thomson	Coleoptera	Cerambycidae	s
<i>Ferrisia virgata</i> (Ckll)	Homoptera	Pseudococcidae	sh
<i>Formicoccus tafoensis</i> Strickland	Homoptera	Pseudococcidae	sh
<i>Platypus hintzi</i> Schanfuss	Coleoptera	Platypodidae	s
<i>Platypus refertus</i> Shed	Coleoptera	Platypodidae	s

**Mother of cocoa,Madera,Gliricidia(Gliricidia sepium (Jacq.)**

<i>Apate monachus</i> Fahr	Coleoptera	Bostrichidae	s
<i>Apate tenebrans</i> Pallens	Coleoptera	Bostrichidae	s
<i>Toxoptera aurantii</i> Boyer Ge Fonscolonbe	Homoptera	Aphididae	s,f
<i>Xylopertha crinitaris</i> Imh	Coleoptera	Bostrichidae	s,sh
<i>Zonocerus variegatus</i> Linnaeus	Orthoptera	Pyrgomorphida	l,sh

***Gmelina arborea***

<i>Diacrisia lutescens</i>	Lepidoptera	Arctiidae	l,s
<i>Hypothenemus eroditus</i> Westwood	Coleoptera	Scolytidae	l,s
<i>Hypothenemus pussilus</i> Westwood	Coleoptera	Scolytidae	l,s

***Guareab cedrata***

<i>Balanogastriis kolas</i> Desh.	Colroptera	Curculionidae	fr
<i>Menechamus discrepans</i> Faust	Lepidoptera	Pyralidae	fr

***Lophira alata***

<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Coccidae	
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***Mansonia altissima***

<i>Godasa sidae</i> Fabricites	Lepidoptera	Arctiidae	l
<i>Xyleborus ambasiusculus</i> Egg	Coleoptera	Scolytidae	l,s
<i>Xyleborus camerunus</i> Hag	Coleoptera	Scolytidae	l,s
<i>Xyleborus indicus</i> Eichh.	Coleoptera	Scolytidae	l,s
<i>Xyleborus mascarensis</i> Eichh	Coleoptera	Scolytidae	l,s

***Musanga cercropioides***

<i>Stictococcus sjostedu</i>	Homoptera	Coccidae	l
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***Nesogordonia papaverifera***

<i>Anomis leona</i> (Schaus)	Lepidoptera	Noctuidae	l
<i>Ferrisia virgata</i> (Ckll)	Hemiptera	Coccidae	l,sh

<i>Panococcus citri</i> (Risso)	Hemiptera	Coccidae	l,s
<i>Sahlbergella singularis</i> Hagl	Hemiptera	Miridae	l,s

**Piptadeniastrum africanum**

<i>Eudrapa labandododes</i> Hmps	Lepidoptera	Noctuidae	l,s
<i>Pericyma mendax</i> Wlk	Lepidoptera	Noctuidae	l,s

**Pycanthus macrophylla (Welw.)Warh**

<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Coccidae	l
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**Madras thorn (Pithecellobium dulce (Roxb.) Benth.**

<i>Argyroploce illepida</i> Butler	Lepidoptera	Olethreutidae	fr
<i>Entomogramma pardus</i> Guen	Lepidoptera	Noctuidae	
<i>Ereceia sobria</i> Wlk	Lepidoptera	Noctuidae	
<i>Euproctis scintillens</i> Walker	Lepidoptera	Lymantriidae	l,f
<i>Sternocera aeguisignata</i> Saudens	Coleoptera	Buprestidae	l

**Sesbania grandiflora (Linn.) Poir**

<i>Apate terebrans</i>	Coleoptera	Bostrichidae	sh
<i>Apate monachus</i> (Fabr)	Coleoptera	Bostrichidae	sh
<i>Aphis gossypii</i> Glover	Homoptera	Aphididae	l
<i>Azygophleps scalaris</i> F.	Lepidoptera	Cossidae	
<i>Mesoplatys cincta</i>	Coleoptera	Chrysomelidae	l
<i>Ptyelus grossus</i> Fabricius	Homoptera	Cercopidae	s
<i>Trabala vishnou</i> Lefebure	Lepidoptera	Lasiocampidae	l

**Sterculia rhinopetala**

<i>Anomis leona</i> (Schaus)	Lepidoptera	Noctuidae	l
<i>Anomis micordonta</i> Hmps.	Lepidoptera	Noctuidae	l
<i>Doliopygus serratus</i> Strohmeyer	Coleoptera	Platypodidae	s
<i>Doliopygus solidus</i>	Coleoptera	Platypodidae	s
<i>Planococcoides njalensis</i> (Laing)	Hemiptera	Coccidae	l,sh
<i>Planococcus citri</i> (Risso)	Hemiptera	Coccidae	l,sh
<i>Premnobius caripenni</i>	Coleoptera	Platypodidae	s
<i>Xyleborus</i> spp.	Coleoptera	Platypodidae	s

**Teak (Tectona grandis) Linn**

<i>Agrostis segetum</i> Denis and Schiffermuller	Lepidoptera	Noctuidae	l, sh
<i>Analeptes trifasciata</i> Fabr	Coleoptera	Bostrichidae	s
<i>Analepes terebrans</i> Pallas	Coleoptera	Bostrichidae	s
<i>Ancistrotermes crucifer</i> (Sjost)	Isoptera	?	
<i>Apate terebrans</i> Pallas	Coleoptera	Bostrichidae	s
<i>Ascotis selenaria reciprocaria</i> (Walker)	Lepidoptera	Geometridae	l
<i>Diacrisia investigatorum</i>	Lepidoptera	Arctiidae	l

<i>Diacrisia lutescens</i> (Walker)	Lepidoptera	Arctiidae	l
<i>Doliopygus erichsoni</i> (Chapuis)	Coleoptera	Platypodidae	s
<i>Hypothenemus eroditus</i> West.	Coleoptera	Scolytidae	sd, l, sh
<i>Hypothenemus pussilus</i> West.	Coleoptera	Scolytidae	s
<i>Orgyia basali</i> Affinis	Lepidoptera	Lymantriidae	l
<i>Planococcoides njalensis</i> (Laing)	Homoptera	Pseudococcida	sh
<i>Spenoptera littoralis</i> (Boisduval)	Lepidoptera	Noctuidae	l
<i>Zonocerus variegatus</i> Linnaeus	Orthoptera	Pyrgomorphida	sh, l
		e	e

### **Odum` , Iroko (*Milicia excelsa* & *regia***

#### **(Welw.) Benth**

<i>Bostrychoplites cornutus</i> Oliv.	Coleoptera	Bostrichidae	tr
<i>Chaetastus tuberculatus</i> Chap.	Coeloptera	Platypodidae	tr, log
<i>Dinoderus bifoveolatus</i> Woll.	Coleoptera	Bostrichidae	tr
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	
<i>Phryneta leprosa</i> (Fabricius)	Coleoptera	Lamiidae	sh, l
<i>Phytolyma fusca</i>	Homoptera	Psyllidae	sh
<i>Phytolyma lata</i> Scott	Homoptera	Psyllidae	sh, l
<i>Phytolyma tuberculata</i>	Homoptera	Psyllidae	sh
<i>Platypus hintzi</i> Schauf.	Coleoptera	Platypodidae	tr
<i>Xyleborus badius</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus barumbuensis</i> Egg	Coleoptera	Scolytidae	tr
<i>Xyleborus camerunus</i> Hag.	Coleoptera	Scolytidae	tr
<i>Xyleborus confusus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus eichhoffianus</i> Schedl	Coleoptera	Scolytidae	tr
<i>Xyleborus ferrugineus</i> F.	Coleoptera	Scolytidae	tr
<i>Xyleborus indicus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus mascarensis</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus semiopacus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xylopertha crinitarsis</i> Imh.	Coleoptera	Bostrichidae	tr
<i>Xylopertha picea</i> Oliv.	Coleoptera	Bostrichidae	tr

### **'Adinam` (*Entandrophragm***

#### **angolense (Welw.) DC-**

<i>Catopyla dysorphaea</i> Brandy	Lepidoptera	Pyralidae	fr
<i>Chaetastus tuberculatus</i>	Coleoptera	Platypodidae	s
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	s
<i>Doliopygus dubius</i>	Coleoptera	Platypopidae	s
<i>Hypsipyla robusta</i> Moore	Lepidoptera	Pyralidae	sh
<i>Mussidia nigrivenella</i> Ragonot	Lepidoptera	Pyralidae	fr
<i>Nadasai splendens</i> Druce	Lepidoptera	Lasiocampidae	l
<i>Periommatius camerunus</i>	Coleoptera	Platypopidae	s
<i>Periommatius excisus</i> Strohm	Coleoptera	Platypodidae	tr
<i>Platypus hintzi</i> Schauf	Coleoptera	Platypodidae	s
<i>Trachyostus schaufussi</i> Schedi	Coleoptera	Platypodidae	tr
<i>Xyleborus barumbuensis</i> Egg	Coleoptera	Scolytidae	tr

<i>Xyleborus camerunus</i> Hag.	Coleoptera	Scolytidae	s
<i>Xyleborus indicus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus mascarensis</i> Eichh.	Coleoptera	Scolytidae	s
<i>Xyleborus semiocapus</i>	Coleoptera	Scolytidae	s

**'Penkwa', 'sapele' Entandrophragma cylindricum (Sprague) Sprague**

<i>Catopyla dysorphaea</i> Bradley	Lepidoptera	Pyralidae	sd,fr
<i>Chaetastus tuberculatus</i> Chap.	Coleoptera	Platypodidae	s
<i>Cordylomera spinicornis</i> (F.)	Coleoptera	Cerambycidae	s
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	s
<i>Doliopygus dubius</i> Samps.	Coleoptera	Platypodidae	s
<i>Gyroptera robertsi</i> Bradley	Lepidoptera	Pyralidae	sh
<i>Heterobostrychus brunneus</i> Murr	Coleoptera	Bostrichidae	sh
<i>Hypsipyla robusta</i> (Moore)	Lepidoptera	Pyralidae	s
<i>Monochamus griseoplagiatus</i> (Thoms.)	Coleoptera	Cerambycidae	tr

<i>Platypus hintzi</i> Schauf	Coleoptera	Platypodidae	s
<i>Trachyostus aterrimus</i>	Coleoptera	Platypodidae	s
<i>Trachyostus schaufussi</i> Schedl	Coleoptera	Scolytidae	tr
<i>Xyleborus semiopacus</i> Eichh	Coleoptera	Scolytidae	tr
<i>Xyleborus camerunus</i> Hag.	Coleoptera	Scolytidae	tr
<i>Xyleborus indicus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus mascarensis</i> Eichh.	Coleoptera	Scolytidae	tr

**'Efrobrodedwo', Utile (Entandrophragma utile (Dave & Sprague) Sprague**

<i>Catopyla dysorphaea</i> Bradley	Lepidoptera	Pyralidae	sd, fr
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	tr
<i>Doliopygus perbrevis</i> Schedl	Coleoptera	Platypodidae	tr
<i>Platypus hintzi</i> Schauf	Coleoptera	Platypodidae	tr
<i>Platyscapus auricomus</i> Schedl	Coleoptera	Platypodidae	tr
<i>Xyleborus semiopacus</i>	Coleoptera	Scolytidae	tr
<i>Xyleborus camerunus</i> Hag.	Coleoptera	Scolytidae	tr
<i>Xyleborus mascarensis</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus sharpae</i> Hop.	Coleoptera	Scolytidae	tr

**'Akwantanuro'/'Dubinfufuo', Anthotheca (Khaya anthotheca (Welw.) C.DC.**

<i>Pseudophacopteron zimmermanni</i> Aulmann	Homoptera	Psyllidae	sh
<i>Polygraphus granulatus</i>	Coleoptera	Cerambycidae	tr

**'Odupon'/'Dubinbiri', Mahogany (Khaya grandifoliola C.DC.)**

<i>Apate monachus</i> Fabr	Coleoptera	Bostrichidae	s
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<i>Catopyla dysorphaea</i>	Lepidoptera	Pyralidae	fr
<i>Chaetastus tuberculatus</i> Chap	Coleoptera	Platypodidae	sh
<i>Cledus obesus</i> Hustarelie	Coleoptera	curculionidae	tr
<i>Cordylomera spinicornis</i> Fabr.	Coleoptera	Cerambycidae	tr
<i>Gyroptera robertsi</i> Bradley	Lepidoptera	Pyralidae	sh
<i>Hypsipyra robusta</i> (Moore)	Lepidoptera	Pyralidae	sh
<i>Platypopidae chaetastus</i>	Coleoptera	Platypodidae	s
<i>Pseudophacopteron zimmermanni</i> Aulmann	Homoptera	Psyllidae	sh

**'Dubinkokoo', African Mohogany**  
**(*Khaya ivorensis* A. Chev.)**

<i>Bostrichplites</i> spp.	Coleoptera	Scotylidae	s
<i>Catopyla dysorphaea</i>	Lepidoptera	Pyralidae	fr
<i>Cordylomera spinicor</i>	Coleoptera	Cerambycidae	s
<i>Chaetastus tuberculatus</i> Chap	Coleoptera	Platypodidae	sh
<i>Doliopygus dubius</i> Samps	Coleoptera	Platypodidae	s
<i>Hypsipyra robusta</i> (Moore)	Lepidoptera	Pyralidae	sh
<i>Poecilips sannio</i> Schauf	Coleoptera	Scolytidae	tr
<i>Polygraphus granulatus</i> Egg.	Coleoptera	Scotylidae	sh
<i>Pseudophacopteron zimmermanni</i> Aulmann	Homoptera	Psyllidae	sh
<i>Udinia faraquarsoni</i> (Newest)	Homoptera	Diaspididae	l
<i>Xyleborus ambasipennis</i>	Coleoptera	Scolytidae	tr
<i>Xyleborus ambasius</i> Hag	Coleoptera	Scolytidae	tr
<i>Xyleborus ambasiusculus</i> Egg	Coleoptera	Scolytidae	tr
<i>Xyleborus badius</i> Eichh	Coleoptera	Scolytidae	tr
<i>Xyleborus barumbuensis</i> Egg	Coleoptera	Scolytidae	tr
<i>Xyleborus camerunus</i> Hag	Coleoptera	Scolytidae	tr
<i>Xyleborus compactus</i>	Coleoptera	Scolytidae	tr
<i>Xyleborus indicus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus mascarensis</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus perforans</i> (Wollaston)	Coleoptera	Scolytidae	s
			tr
<i>Xyleborus sannio</i> Schauff	Coleoptera	Scolytidae	s
<i>Xyleborus semiopacus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus sharpie</i> Hop.	Coleoptera	Scolytidae	s
<i>Xylion securifer</i> Lesne	Coleoptera	Scolytidae	tr
<i>Xylopertha crinitarsis</i> Imh.	Coleoptera	Scolytidae	tr

***Khaya senegalensis***

<i>Cataphyla dysorphaea</i>	Lepidoptera	Pyralidae	fr
<i>Crptoblabe quidicula</i> Mll	Lepidoptera	Pyralidae	fr
<i>Hypsipyra robusta</i> (Moore)	Lepidoptera	Pyralidae	sh

**'Kwantannuro', African walnut**  
**(*Lavoa trichilioides*) Harms**

<i>Catopyla dysorphaea</i> Bradly	Lepidoptera	Pyralidae	sd,fr
<i>Cordylomera spinicornis</i> (F.)	Coleoptera	Cerambycidae	tr



**'Kusia, Opepe' (Nauclea diderrichi**

**(De wild & Th. Dur.) Merrill**

<i>Anomis leona</i>	Lepidoptera	Noctuidae	l
<i>Demarius splendidulus</i> (F)	Hemiptera	Coccidae	s
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	tr
<i>Doliopygus v-grandis</i> (Samps)	Coleoptera	Platypopidae	s
<i>Orgmophora mediofoveata</i> Hampson	Lepidoptera	Noctuidae	sh
<i>Platypus hintzi</i> Schauf.	Coleoptera	Platypodidae	tr
<i>Xyleborus ambasius</i> Hag	Coleoptera	Scolytidae	tr
<i>Xyleborus ambasiusculus</i> Egg	Coleoptera	Scolytidae	tr
<i>Xyleborus camerunus</i>	Coleoptera	Scolytidae	sh
<i>Xyleborus indicus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus mascarensis</i>	Coleoptera	Scolytidae	sh
<i>Xyleborus semiopacus</i> Eichh.	Coleoptera	Scolytidae	tr

**'Kokrodua', 'Afromosia (Pericopsis elata (Harms) van Meeuwen**

<i>Lamprosema lateritialis</i> Hampson	Lepidoptera	Pyralidae	l
<i>Laspeyresia</i> sp. nr. <i>tricentra</i> Meyr.	Lepidoptera	Tortricidae	sd

**'Emire', Idigbo (Terminalia ivorensis**

**A. Chev.)**

<i>Apate bostrtychopis</i> Tonsa	Coleoptera	Bostrichidae	s
<i>Apate kentzeni</i>	Coleoptera	Bostrichidae	fr
<i>Apate monachus</i> Fabr.	Coleoptera	Bostrichidae	fr
<i>Apate terebrans</i> Pallas	Coleoptera	Bostrichidae	fr
<i>Bostrychopsis tonsa</i> Imhoff	Coleoptera	Bostrichidae	tr
<i>Cryptoflata unipunctata</i> Oliv.	Homoptera	Flatidae	sh
<i>Doliopygus dubius</i> Samps	Coleoptera	Platypodidae	tr
<i>Doliopygus serratus</i> Stohm	Coleoptera	Platypodidae	tr
<i>Epicerura pulverulenta</i> Hamps	Lepidoptera	Notodontidae	l
<i>Epicerura pergliosa</i>	Lepidoptera	Notodontidae	l
<i>Lechriolepis</i> spp.	Lepidoptera	Lasiocampidae	l
<i>Maurilla phaea</i> Hamps	Lepidoptera	Noctuidae	l
<i>Nanophyes</i> sp. nr. <i>ituriensis</i> Hust	Coleoptera	Curculionidae	sd
<i>Otionotus</i> spp.	Homoptera	Membracidae	sh
<i>Periommatius grandis</i> Schedl	Coleoptera	Platypodidae	tr
<i>Planococcoides njalensis</i>	Hemiptera	Coccidae	sh
<i>Tortrix dinota</i> Meyr	Lepidoptera	Tortricidae	l
<i>Trichotaphs</i> sp.	Lepidoptera	Gelechiidae	l
<i>Tridesmodes ramiculata</i> Warren	Lepidoptera	Thyrididae	sh
<i>Xyleborus ambasiusculus</i> Egg	Coleoptera	Scolytidae	tr
<i>Xyleborus eichhoffianus</i> Schedl	Coleoptera	Scolytidae	tr

***Terminalia superba***

<i>Achaea lienardi</i> (Boisd)	Hemiptera	Coccidae	
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<i>Coccus hesperidum</i> L	Orthoptera	Acrididae	I
<i>Ferrisia virgata</i> (Ckll)	Hemiptera	Coccidae	s,I
<i>Formicococcus togoensis</i> Strickland	Hemiptera	Coccidae	s,I
<i>Nesteadia wacri</i> Strickland	Hemiptera	Coccidae	s,I
<i>Planococcus citri</i>	Lepidoptera	Noctuidae	s,I
<i>Zonocerus variegatus</i> L	Orthoptera	Acrididae	I

Prof  
will  
check  
on it

**'Baku', Makore (*Tieghemella heckelii* Pierre ex A.Chev.**

No information

**'Wawa', Obeche (*Triplochiton scleroxylon* k. Schum.**

<i>Anaphe venata</i> Btl	Lepidoptera	Notodontidae	I
<i>Apate terebrans</i> Pallens	Coleoptera	Bostrichidae	I
<i>Apion nithonomoides</i>	Coleoptera	Scolytidae	s
<i>Apion ghanaensis</i> Voss	Coleoptera	Apionidae	fr
<i>Bocchoris inpersalis</i> Zell.	Lepidoptera	Pyralidae	fr
<i>Bostrchoplites cornutus</i> Oliv	Coleoptera	Platypodidae	fr
<i>Chaetastus tuberculatus</i> Chap.	Coleoptera	<b>Bostrichidae</b>	<b>s</b>
<i>Characoma nilotica</i> Hamps	Lepidoptera	Noctuidae	fr
<i>chlyphipterix</i> spp.	Lepidoptera	Cosmopterygida	sd e
<i>Clyphipterix</i> sp	Lepidoptera	<b>Cosmopterygida</b>	<b>sd e</b>
<i>Coccotrypes rustshuruensis</i> Egg	Coleoptera	Scolytidae	tr
<i>Diclidophlebia eastopi</i> Vondracek	Homoptera	Psyllidae	I
<i>Diclidophlebia harrisoni</i> Osisanya	Homoptera	Psyllidae	I
<i>Diclidophlebia eastopi</i>	Homoptera	Psyllidae	I
<i>Doliopygus chapuisi</i> Duv.	Coleoptera	Platypodidae	tr
<i>Doliopygus conradti</i> Strohm	Coleoptera	Platypodidae	tr
<i>Doliopygus dubius</i> Samps	Coleoptera	Platypodidae	tr
<i>Doliopygus indicus</i> Eichh	Coleoptera	Platypodidae	tr
<i>Doliopygus interjectus</i> Schedl	Coleoptera	Platypodidae	tr
<i>Doliopygus notatus</i> Samps	Coleoptera	Platypodidae	tr
<i>Doliopygus opifex</i> Strohm	Coleoptera	Platypodidae	tr
<i>Doliopygus serratus</i> Strohm	Coleoptera	Platypodidae	tr
<i>Doliopygus unispinosus</i> Schedl	Coleoptera	Platypodidae	tr
<i>Earias ogovana</i> Holl	Lepidoptera	Noctuidae	
<i>Epanaphe molonyi</i> (Druce)	Lepidoptera	Notodontidae	I
<i>Eublemma</i> spp.	Lepidoptera	Noctuidae	f,fr
<i>Eulophonotus obesus</i> (Karsh)	Lepidoptera	Cossidae	sh
<i>Hypothenemus camerunus</i> (Egg.)	Coleoptera	Scolytidae	tr
<i>Hypothenemus socialus</i>	Coleoptera	Scolytidae	tr
		Noctuidae	I, fl, fr



<i>Lophocrama phoenicochlora</i> Hamps	Lepidoptera	Platypodidae	tr
<i>Periommatius excisus</i> Strohm	Coleoptera	Platypodidae	tr
<i>Periommatius grandis</i> Schedl	Coleoptera	Platypodidae	tr
<i>Platypus hintzi</i> Schauf.	Coleoptera	Platypodidae	sh
<i>Platyscapus auricomus</i> Schedl	Coleoptera	Platypodidae	sh
<i>Platyscapus camerunus</i> Schedl	Coleoptera	Scolytidae	sh
<i>Premnobius cavipennis</i> Eichh.	Coleoptera	Scolytidae	sh
<i>Premnobius xylocranellus</i> Schedl	Coleoptera	Noctuidae	f
<i>Selepa docilis</i> Butl.	Lepidoptera	Melolonthidae	l
<i>Serica</i> sp.	Coleoptera	Tortricidae	l
<i>Totrix dinota</i> Meyr	Lepidoptera	Platypodidae	tr
<i>Trachyostus ghanaensis</i> Schedl	Coleoptera	Platypodidae	tr
<i>Triozaustus philosulus</i>	Coleoptera	Scolytidae	tr
<i>Xyleborus ambasiusculus</i> Egg	Coleoptera	Scolytidae	tr
<i>Xyleborus badius</i> Eichh.	Coleoptera	Scolytidae	sh
<i>Xyleborus camerunus</i> Hag.	Coleoptera	Scolytidae	sh
<i>Xyleborus confusus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus eichhoffianus</i> Schedl	Coleoptera	Scolytidae	tr
<i>Xyleborus ferrugineus</i> Fahr	Coleoptera	Platypodidae	sh
<i>Xyleborus indicus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus mascarensis</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus neogranulatus</i>	Coleoptera	Scolytidae	tr
<i>Xyleborus pseudoem</i> Basius	Coleoptera	Scolytidae	s
<i>Xyleborus scabrior</i> Schedl	Coleoptera	Scolytidae	tr
<i>Xyleborus semiopacus</i> Eichh.	Coleoptera	Scolytidae	tr
<i>Xyleborus similans</i> Egg	Coleoptera	Scolytidae	tr
<i>Xyleborus solitarius</i> Hag.	Coleoptera	Bostrichidae	tr
<i>Xylopertha crinitarsis</i> Imh.	Coleoptera	Bostrichidae	tr
<i>Xyloperthodes orthogonius</i> Lesne	Coleoptera		

## Kola

Organism	Order	Family	Parts affected
<i>Balanogastriis kolae</i>	Coleoptera	Cucurlionidae	l
<i>Phosphorus virescenes</i>	Coleoptera	Cerambycidae	fr
<i>Ceratitidis kolae</i>	Diptera	Tephritidae	fr
<i>Sylepta</i> spp.	Lepidoptera	Pyralidae	l
<i>Anomis leona</i>	Lepidoptera	Noctuidae	l

## Stored kola pest

<i>Balanogastriis kolae</i>	Coleoptera	Cucurlionidae	l
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## *Theobroma cacao* (Cocoa)

Organism	Order	Family	Part Attacked

<i>Distantiella theobromae</i>	Heteroptera	Miridae	
<i>Sahlbergella singularis</i>	Heteroptera	Miridae	
<i>Helopeltis begrothi</i>	Hemiptera	Miridae	
<i>Bryocoropsis laticollis</i>	Hemiptera	Miridae	
<i>Bathycoelia thalassina</i>	Hemiptera	Pentatomidae	
<i>Eulophonotus myrmelon</i>		Cossidae	
<i>Characoma strictigrapha</i>	Lepidoptera	Nolidae	
<i>Planococcoides njalensis</i>	Hemiptera	Pseudococcidae	
		e	
<i>Phenacocus citri</i>	Hemiptera	Pseudococcidae	
		e	
<i>Ferrisia virgata</i> (Ckll.)	Homoptera	Pseudococcidae	l
		e	
<i>Tyora tesmanni</i>	Homoptera	Pysllidae	
<i>Macrotermes spp.</i>	Isoptera	Termitidae	
<i>Earias biplaga</i>	Lepidoptera	Nolidae	
<i>Anomis leona</i>	Lepidoptera	Noctuidae	
<i>Toxoptera aurantii</i>	Hemiptera	Aphididae	
<i>Zonocerus variegatus</i> L	Orthoptera	Acrididae	l

### Stored *Theobroma cacao* pest

<i>Ephestia cautella</i>	Lepidoptera	Phycitidae	
<i>Corcyra cephalonica</i>	Lepidoptera	Pyralidae	
<i>Tribolium castaneum</i>	Coleoptera	Tenebrionidae	
<i>Lasioderma serricorne</i>	Coleoptera	Anobiidae	
<i>Araecerus fasciculatus</i>	Coleoptera	Anthribidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Cryptolestes ferrugineus</i>	Coleoptera	Laemophloeidae	
		e	

### *Vitellaria paradoxa*

<i>Bostra glaucalis</i> Hmps	Lepidoptera	Pyralidae	l
<i>Cardiophorus quadeiplagiatus</i> Er	Lepidoptera	Pyralidae	sh
<i>Cirina forda</i> Westwood	Coleoptera	Bostrichidae	l
<i>Curimosphera sengalensis</i> Haag	Coleoptera	Scolytidae	sh
<i>Dinoderus bifoveolatus</i> Woll	Coleoptera	Bostrichidae	l
<i>Mussidia nigrivenella</i> Ragonot	Lepidoptera	Pyralidae	fr
<i>Nephoterix orphnanthes</i> Meys	Lepidoptera	Pyralidae	fr
<i>Xyloctonus scolytoides</i> Eichh	Coleoptera	Elateridae	sh

### Key

f=flower  
s=stem

fr=fruit

l=leaf

sd=seed

sh=shoot

tr=trunk

sdl=seedling

## ROOT AND TUBER

### Cassava ( *Manihot esculenta* Crantz)

Organism	Order	Family	Plant Part attack
<i>Aleurodicus dispersus</i>	Hemiptera	Aleyrodidae	l, fr, sh
<i>Anoplocnemis tristator</i> F	Heteroptera	Coreidae	l
<i>Aonidomytilus albus</i> (Ckll.)	Homoptera	Diaspididae	
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Clytria fasciata</i> F.	Coleoptera	Clytridae	
<i>Eurymerodesmus</i> spp.	Polydesmida	Eurymerodesmidae	l
<i>Ferrisia virgata</i> (Cockerell)	Homoptera	Pseudococcidae	l
<i>Helopeltis schoutedeni</i>	Hemiptera	Miridae	
<i>Homoeocerus pallens</i> (F.)	Heteroptera	Coreidae	
<i>Lagria cuprina</i> Thoms.	Coleoptera	Lagriidae	l
<i>Lagria villosa</i>	Coleoptera	Lagriidae	l
<i>Macrotermes bellicosus</i>	Isoptera	Termitidae	s,r
<i>Macrotermes</i> spp.	Isoptera	Termitidae	s,r
<i>Microtermes</i> spp.	Isoptera	Termitidae	s,r
<i>Mononychellus tanajoa</i>	Acarina	Tetranychidae	l
<i>Oligonychus gossypii</i> (Zacher)	Acarina	Tetranychidae	l
<i>Phenacoccus mairerensis</i>	Homoptera	Pseudococcidae	l,sh
<i>Phenacoccus manihoti</i> (Mat.-Fer)	Homoptera	Pseudococcidae	l,sh
<i>Pinnaspis strachni</i>	Hemiptera	Diaspididae	
<i>Pseudotharptus devastans</i>	Heteroptera	Coreidae	
<i>Tetranychus telarius</i>	Acarina	Tetranychidae	l
<i>Tetranychus urticae</i>	Acarina	Tetranychidae	
<i>Zabalius lineolatus</i> (Stal.)	Orthoptera	Tettigoniidae	l
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	s

### Stored Cassava chips

<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Cucujidae	
<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Bostrychoplites</i> sp.	Coleoptera	Bostrichidae	
<i>Carpophilus</i> sp.	Coleoptera	Nitidulidae	
<i>Cathartus quadricollis</i> Guer	Coleoptera	Silvanidae	
<i>Cryptolestes pusillus</i> (Schonh.)	Coleoptera	Cucujidae	
<i>Dinoderus minutus</i> (F.)	Coleoptera	Bostrichidae	
<i>Eldana saccharina</i>	Lepidoptera	Pyralidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Gelechiidae	
<i>Gnatocerus maxillosus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Heterobostrychus brunneus</i> (Murray)	Coleoptera	Bostrichidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Oryzaephilus mercator</i> (Fauv.)	Coleoptera	Silvanidae	
<i>Palorus ratzeburgi</i> (Wissm.)	Coleoptera	Tenebrionidae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	
<i>Pseudostenotrupis filum</i> Mshl.	Coleoptera	Curculionidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	Curculionidae	
<i>Tribolium castaneum</i> (Hbst.).	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i>	Coleoptera	Tenebrionidae	
<i>Typhaea stercorea</i>	Coleoptera	Mycetophagidae	

**Yam (*Dioscorea* sp.)**

<i>Adoretus versutus</i> Har.	Coleoptera	Rutelidae	l
<i>Anomala</i> sp.	Coleoptera	Rutelidae	tu
<i>Aspidiella hartii</i>	Homoptera	Diaspididae	
<i>Aspidomorpha mutata</i> Boh.	Coleoptera	Cassididae	l
<i>Aspidiotus destructor</i>	Hemiptera	Diaspididae	
<i>Camponotus</i> sp.	Hymenoptera	Formicidae	r
<i>Crioceris livida</i> Dalm.	Coleoptera	Crioceridae	l,s
<i>Dysmycoccus brevipes</i> (Ckll.)	Homoptera	Pseudococcidae	
<i>Epilachna chrysomelina</i> (Fab.)	Coleoptera	Coccinellidae	s
<i>Eurymerodesmus</i> spp.	Polydesmida	Eurymerodesmidae	l
<i>Gonocephalum simplex</i> F.	Coleoptera	Tenebrionidae	
<i>Gryllus similis</i> Chp	Orthoptera	Gryllidae	tu
<i>Henosepilachna elaterii</i> (Rossi)	Coleoptera	Coccinellidae	
<i>Heliophisma klugii</i> (Boisd.)	Lepidoptera	Noctuidae	
<i>Helopeltis bergrothi</i> Reut.	Heteroptera	Miridae	
<i>Heteroligus meles</i> (Billb)	Coleoptera	Dynastidae	tu
<i>Heteroligus apius</i>	Coleoptera	Scarabaeidae	
<i>Lagria villosa</i> (F.)	Coleoptera	Lagriidae	l
<i>Lema armata</i>	Coleoptera	Chrysomelidae	
<i>Leptaulaca vinula</i> Er.	Coleoptera	Galerucidae	s
<i>Macrotermes</i> spp.	Isoptera	Termitidae	
<i>Odontotermes</i> spp	Isoptera	Termitidae	
<i>Planococcus kenya</i>	Hemiptera	Pseudococcidae	
<i>Phenacoccus mairerensis</i>	Homoptera	Pseudococcidae	l,sh
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	tu
<i>Plusia lunata</i> (F.)	Lepidoptera	Noctuidae	l
<i>Ptyelus grossus</i> F.	Homoptera	Cercopidae	l
<i>Prionoryctes</i> spp.	Coleoptera	Scarabaeidae	
<i>Scapsipedus marginatus</i> (Afzel)	Orthoptera	Gryllidae	tu
<i>Schizonycha africana</i> Cast.	Coleoptera	Melolonthidae	tu
<i>Selinus</i> spp.	Coleoptera	Tenebrionidae	
<i>Trienopa paradoxa</i>	Homoptera	Issidae	l

**Stored Yam pests**

<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Aspidiella hartii</i> (Ckll.)	Homoptera	Coccidae	
<i>Bostrychoplites</i> sp.	Coleoptera	Bostrichidae	
<i>Carpophilus dimidiatus</i>	Coleoptera	Nitidulidae	
<i>Carpophilus</i> spp.	Coleoptera	Nitidulidae	
<i>Cryptolestes pusillus</i> (Schonh.)	Coleoptera	Cucujidae	
<i>Dinoderus minutus</i> (F.)	Coleoptera	Bostrichidae	
<i>Ephestia cautella</i> Wik	Lepidoptera	Gelechiidae	
<i>Heterobostrychus brunneus</i> (Murray)	Coleoptera	Bostrichidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Tribolium castaneum</i> (Hbst.).	Coleoptera	Tenebrionidae	

**Cocoyam (*Xanthosoma mafafa* Arac.****Betreff (*Xanthosoma sagittifolium* Schott.)**

<i>Ferrisia virgata</i> (Ckll.)	Homoptera	Pseudococcidae	l,sh
<i>Pentalonia nigronervosa</i> Coq.	Homoptera	Aphididae	
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	
<i>Stomphastis thraustica</i> (Meyr.)	Lepidoptera	Gracillariidae	

**Colocasia , Taro, as 'Kooko' (*Colocasia esculenta* Schott)**

<i>Ferrisia virgata</i> (Ckll.)	Homoptera	Pseudococcidae	I,sh
<i>Pentalonia nigronervosa</i> Coq.	Homoptera	Aphididae	
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	
<i>Stomphastis thraustica</i> (Meyr.)	Lepidoptera	Gracillariidae	

**Sweetpotato (*Ipomoea batatas* Poir.)**

<i>Acraea acerata</i> Hew	Lepidoptera	Nymphalidae	
<i>Acraea egina</i>	Lepidoptera	Nymphalidae	
<i>Agrius convolvuli</i> (L.)	Lepidoptera	Sphingidae	
<i>Alcidodes</i> spp.	Coleoptera	Curculionidae	
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	I,p
<i>Aspidomorpha mutata</i> Boh.	Coleoptera	Cassididae	
<i>Bemisia tabaci</i> (Genn.)	Homoptera	Aleyrodidae	I
<i>Cylas bunneus</i> F.	Coleoptera	Apionidae	
<i>Cylas puncticollis</i> (Boheman)			
<i>Gryllotalpa africana</i> P. de B.	Orthoptera	Gryllotalpidae	r
<i>Jacobiella facialis</i> (jacobi)	Hemiptera	Cicadellidae	I
<i>Helopeltis bergrothi</i> Reut.	Heteroptera	Miridae	
<i>Ligria villosa</i>	Coleoptera	Tenebrionidae	I
<i>Leptoglossus australis</i>	Heteroptera	Coreidae	p
<i>Macrotermes</i> spp.	Isoptera	Termitidae	s
<i>Nezera viridula</i> (L.)	Heteroptera	Pentatomidae	p
<i>Pinnaspis strachni</i>	Hemiptera	Diaspididae	
<i>Spodoptera frugiperda</i>	Lepidoptera	Noctuidae	
<i>Spodoptera littoralis</i>	Lepidoptera	Noctuidae	
<i>Trichoplusia ni</i>	Lepidoptera	Noctuidae	
<i>Zonocerus variegatus</i>	Orthoptera	Pyrgomorphidae	I

**Stored Potato pest**

<i>Cylas bunneus</i> F.	Coleoptera	Apionidae	
<i>Cylas puncticollis</i>	Coleoptera	Apionidae	
<i>Cylas formicarius</i> F.	Coleoptera	Apionidae	
<i>Dysmicoccus brevipes</i>	Hemiptera	Pseudococcidae	
<i>Macrotermes</i> spp.	Isoptera	Termitidae	
<i>Microtermes</i> spp.	Isoptera	Termitidae	
<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Cucujidae	

**Frafra potato (*Solenostemum rotundifolius* Poir)**

<i>Acraea acerata</i>	Lepidoptera	Nymphalidae	
<i>Alcidodes</i> sp.	Coleoptera	Curculionidae	
<i>Aspidomorpha</i> spp.	Coleoptera	Chrysomelidae	
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	I,p
<i>Bemisia tabaci</i>	Hemiptera	Aleyrodidae	sh,I
<i>Empoasca</i> spp.	Hemiptera	Cicadellidae	
<i>Macrotermes</i> spp.	Isoptera	Termitidae	
<i>Gryllotalpa</i> spp	Orthoptera	Gryllotalpidae	
<i>Phyllophaga</i> spp.	Coleoptera	Scarabaeidae	
<i>Pseudococcus</i> spp.	Hemiptera	Pseudococcidae	
<i>Zonocerus variegatus</i> (L.)	Orthoptera	Pyrgomorphidae	I

## V. FLOWERS AND ORNAMENTALS

Organism	Order	Family	Plant Parts Affected
1. <i>Agave sisalana</i> Perrine (Sisal hemp) AGAVACEAE			F
2. <i>Aglaonema</i> sp. ( <i>Aglaonema</i> ) ARACEAE No available record on diseases			
3. <i>Allamanda cathartica</i> L. APOCYNACEAE (Yellow Allamanda/Golden trumpet) No available record on disease			
4. <i>Alpinia sanderae</i> Hort. ZINGIBERACEAE No available record on diseases			
5. <i>Anthurium andreanum</i> Lind. ARACEAE ( <i>Anthurium</i> lily) Root rot		Rhizoctonia sp., Pythium sp., Phytophthora sp.	F F F
6. <i>Aster</i> spp. ASTERACEAE Leaf spot		Septoria sp., Alternaria sp, Cercospora sp.	F F F
Wilt		Fusarium sp.	F
Wilt		Verticillium sp. Coleosporium asterum.	F F
Rust		Puccinia sp.	F
Root rot		Pythium spp., Phytophthora spp.	F F
7. <i>Axonopus compressus</i> (Swartz.) Beauv. (Carpet grass) POACEAE			
Foliar blight		Rhizoctonia solani	F
8. <i>Bauhinia purpuria</i> L. (Butterfly flower ) FABACEAE No available record on diseases			
Common Name		Scientific Name	Causal Agent
9. <i>Begonia</i> spp. BEGONIACEAE No available record on diseases			
10. <i>Blighia sapida</i> Koeins. (Akee apple) SAPINDACEAE			
Mistletoe		Tapinanthus bangwensis	P
Black mildew		Meliola capenis	F
11. <i>Bougainvillea</i> spp. NYCTAGINACEAE			
Leaf spot		Cercosporidium bougainvilleae	F

Root rot	Rhizoctonia spp., F
	Pythium spp. or Phytophthora spp. Fusarium spp. Tapinanathus
Mistletoe infection:	bangwensis P
Root-knot nematode	Meloidogyne sp. N
12. Breynia nivosa (W.Bull) Small - PHYLLANTHACEAE No available record on diseases	
13. Brownea grandiceps Jacq. FABACEAE (Rose of Venezuela)	
Mistletoe	Tapinanathus bangwensis P
14. Brunfelsia americana L. (Lady of the night) SOLANACEAE No available record on diseases	
15. Bryophyllum pinnatum (Lam) Oken. - CRASSULACEAE (Bryophyllum, Resurrection plant, Miracle Leaf, Life plant) No available record on diseases	
16. Caesalpinia pulcherrima Swartz. (Flamboyant, Pride of Barbados) - FABACEAE No available record on diseases	
17. Caladium spp. (Caladium) †ARACEAE	
Root and tuber rots	Rhizoctonia solani, Pythium sp., Fusarium solani and Sclerotium rolfsii F
Root-knot nematode	Meloidogyne sp. N
18. Callistephus chinensis (China Aster) ASTERACEAE No available record on disease	
19. Cananga odorata (Lam.) Hook.f & Thoms (Lavender Tree/Perfume Tree) ANNONACEAE No available record on diseases	
20. Canna sp. (Canna lily) Canna rust	Puccinia spp. F
21. Catharanthus roseus (L.) G.Don (Madagascar-periwinkle) APOCYNACEAE No available record on disease	
22. Cassia biflora L. FABACEAE (Yellow cassia)	
Mistletoe infection:	Tapinanathus bangwensis P
23. Cassia fistula L. (Indian laburnum) FABACEAE	

Leaf blight	Rhizoctonia spp.	F
Brown pinhead spot:	Colletotrichum gloeosporioides	F
Mistletoe infestation:	Tapinanthus bangwensis	P
24. Cassia floribunda Hort. FABACEAE		
Mistletoe infestation	Tapinanthus bangwensis	P
25. Cassia nodosa Buch.-Ham. FABACEAE (Pink cassia)		
Mistletoe infestation	Tapinanthus bangwensis	P
26. Casuarina equisetifolia L . CASUARINACEAE (Horse tail tree, Whistling pine)		
Mistletoe infestation:	Tapinanthus bangwensis	P
Damping off	Rhizoctonia solani	F
27. Celosia argentea L. AMARANTHACEAE ('Nkyewodua')		
Root knot	Meloidogyne spp.	N
28. Celosia cristata L. AMARANTHACEAE (Cock's comb) No available record on disease		
29. Celosia martine L. AMARANTHACEAE Root, stem and leaf rot		
	Rhizoctonia spp.	F
30. Celosia plumosa L. (Prince feather) AMARANTHACEAE No available record on diseases		
31. Chlorophytum elatum R.Br. - LILIACEAE (Chlorophytum) No available record on diseases		
32. Chrysanthemum spp. ASTERACEAE No available record on diseases		
33. Codiaeum variegatum Blume EUPHORBIACEAE (Croton)		
Rust	Aecidium cordiae	F
Anthracnose:	Colletotrichum gloeosporioides	F
Mistletoe infection	Tapinanthus bangwensis	P
34. Cordia sebestena L. BORAGINACEAE (Cordia)		
Mistletoe infection	Tapinanthus bangwensis	P



35. *Cordyline terminalis* Kunth -LILIACEAE  
(Dracaena)

Leaf Spot)	Fusarium	
Stem and root rot	moniliforme	F
	Fusarium sp.	F
Phyllosticta Leaf Spot:	Phyllosticta	
Cercospora leaf spot	dracaenae	F
	Cercospora spp.	F
Leaf spot	Colletotrichum	
	sp.	F

36. *Cynodon dactylon* L. Pers. POACEAE (Bermudagrass )

Rust	Puccinia	
Black leaf spot	cynodonitis	F
	Phyllachora spp	F
Leaf blotch	Periconia pateralis	F
Root knot nematode:	Meloidogyne spp.	N

37. *Delonix regia* (Bojex Hook) Rafn. FABACEAE  
(Flamboyant, Flame of the Forest)

Bark rot	Armillaria mellea	F
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38. *Dianthus* spp. CARYOPHYLLACEAE (Carnation)  
Collar rot

Sclerotium rolfsii	F
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39. *Dieffenbachia picta* Schot. ARACEAE (Dumb cane)

Anthraxnose	Colletotrichum	
	gloeosporioides	F

40. *Duranta plumieri* (D. repens) VERBENACEAE (Blue duranta, Golden dewdrop, pigeon berry)  
Sooty mould

Capnodium citri	F
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Root Knot Nematode	Meloidogyne spp.	N
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41. *Eichhornia crassipes* (Mart.) Solms: LILIACEAE  
(Water hyacinth, Florida Devil)

No record available on diseases

42. *Episcia* spp. GESNERIACEAE  
No record available on diseases

43. *Erythrina indica* FABACEAE  
(Indian coral tree) No available record on disease

Common Name	Scientific Name	Causal Agent
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44. *Eugenia uniflora* MYRTACEAE (Pitanga cherry)  
Leaf spot

Cercospora spp.	F
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Anthraxnose	Colletotrichum	
	gloeosporioides	F

45. Euphorbia pulcherrima Willd. EUPHORBIACEAE  
(Poinsettia)

*Bemisia tabaci*

46. Euphorbia splendens Bojer. EUPHORBIACEAE  
(Christ's thorn) No record available on diseases

47. Euphorbia tirucalli L. EUPHORBIACEAE  
No record on available on diseases

48. Ficus religiosa MORACEAE (Indian rubber plant)

*Bemisia tabaci*

*Aleurodicus dispersus*

*Frankliniella occidentalis*

*Thrips* spp.

49. Gardenia ternifolia RUBIACEAE (Gardenia)

Mistletoe infection

Tapinanthus  
bangwensis P

Root rot

Phytophthora  
spp. (F) P

50. Gerbera jamesonii Bolus. ASTERACEAE (Barberton  
daisy, African daisy)

Leaf spot

Corynespora  
cassicola F

Leaf spot

Alternaria spp. F

51. Gloriosa superb L. LILIACEAE (Climbing lily, creeping  
lily, glory lily, gloriosa)

Leaf blight

Curvularia lunata,  
Alternaria  
alternata F

Tuber rot

Sclerotium spp. F

52. Gomphrena globosa L. MARANTHACEAE (Globe  
Amaranth, Gomphrena)

Leaf spot

Alternaria  
gomphrenae,  
Cercospora  
gomphrenae F  
F

53. Greenwayodendron oliveri (Engl.) Verdc -  
ANNONACEAE (Indian willow, Ashoka tree)  
No record available on diseases

54. Guaiacum officinale L. ZYGOPHYLLACEAE (Tree of life)  
No record available on diseases

55. Haementhus spp. AMARYLLIDACEAE (Blood lily, Cape  
tulip ) No record available on diseases

56. Hedychium spp. ZINGIBERACEAE (Ginger lily) No  
record available on diseases

57. Helianthus annuus L. –COMPOSITAE  
(sunflower)

Rot	Rhizoctonia sp	F
Crown gall	Agrobacterium	B
Leaf spot	tumefaciens	
Leaf spot	Cercospora	F
	bidentis	
58. Heliconia spp. (Lopster claw) MUSACEAE		
<i>Bemisia tabaci</i>		
<i>Aleurodicus dispersus</i>		
<i>Frankliniella occidentalis</i>		
Thrips spp.		
No available record on disease		
59. Hibiscus rosa-sinensis L. MALVACEAE		
(Hibiscus, Rose of China)		
Black spot	Rhizopus	F
	oligosporus	
60. Hydrangea macrophylla Ser. (Hydrangea)		
SATIFRAGACEAE		
No available record on disease		
61. <i>Hymenocallis littoralis</i> Salisb. AMARYLLIDACEAE		
(Ashanti/spider lily)		
No available record on disease		
62. <i>Ixora alba</i> – RUBIACEAE		
(white ixora)		
No available record on disease		
63. <i>Ixora coccinea</i> L. – RUBIACEAE		
(Single red ixora) No available record on disease		
64. <i>Ixora duffi</i> – RUBIACEAE		
(Double red ixora) No available record on disease		
65. <i>Ixora lutea</i> Hutchins – RUBIACEAE		
(Yellow ixora) No available record on disease		
66. <i>Khaya senegalensis</i> (Desr.) A.Juss MILIACEAE		
(Savanna /Dry land mahogany). No available record on disease		
67. <i>Kigelia Africana</i> (Lam.), Benth. – BIGNONIACEAE		
(African sausage tree; Aberewa nufu) No Available record on disease		
68. <i>Lagestroemia indica</i> L. LYTHRACEAE		
(Indian lilac)		
Powdery Mildew	Oidium sp	F
Mistletoe	Tapinanthus	P
	bangwensis	
69. <i>Lagestroemia speciose</i> L. Pres. – LYTHRACEAE		
(Queen flower)		

Mistletoe	Tapinanthus bangwensis	P
70. <i>Michelia champac</i> L. – MAGNOLIACEAE (Champac) No Available record on disease		
71. <i>Millettia thonningii</i> Shum & Thonn PAPILIONACEAE (Milletia) Black mildew		
	Meliola teramni	F
72. <i>Millingtonia hortensi</i> L. – BIGNONIACEAE (Indian cork tree)		
Mistletoe	Tapinanthus bangwensis	P
73. <i>Mimosa pudica</i> L. MIMOSACEAE Sensitive plant		
Mistletoe	Tapinanthus bangwensis	P
74. <i>Mimusops elengi</i> L SAPOTACEAE (Mimusop)		
Mistletoe <i>Monstera spp.</i>	Tapinanthus bangwensis	P
75. <i>Murraya exotica</i> L. RUTACEAE (Orange jasmine) Root rot		
	Phytophthora sp.	F
Mistletoe	Tapinanthus bangwensis	P
76. <i>Nelumbo nucifera</i> Gaertn. NELUMBONACEAE (East Indian lily)		
Fusarium wilt	Fusarium oxysporum	F
77. <i>Nephrolepis exaltata</i> Schot. POLYPODIACEAE (Sword fern)		
Aerial blight	Rhizoctonia solani	F
Foliar nematodes	Aphelenchoides sp.	N
78. <i>Nerium oleander</i> L. APOCYNACEAE (Oleander, Bible plant) No available record on disease		
79. <i>Nymphaea lotus</i> L. NYMPHAEACEAE (Water lilies) No record available on diseases		
80. <i>Opuntia</i> sp. CACTACEAE (Rabbit ear cactus)		
Cactus mould	Lasiodiplodia theobromae , Cladosporium sp.	F F
81. <i>Oxythenantera</i> sp. POACEAE (Bamboo)		

Bamboo rust		Kweilingia divina	F
82. Pandanus veitchii Hort. -PANDANACEAE (Screw pine) No record available on diseases			
83. Peltophorum pterocarpum (DC.) Becker FABACEAE (Rust tree) No record available on diseases			
84. Philodendron sp. ARACEAE (Philodendron)			
85. Phoenix reclinata Jacq. ARECACEAE (Date Palm)			
Fusarium wilt		Fusarium oxysporum	F
86. Pithecelobium dulce FABACEAE (Madras thorn)			
Mistletoe infection		Tapinanthus bangwensis Cercospora mimosa, Collectotrichum spp.	P
Leaf spot			F
87. Plumeria acutifolia Poir. - APOCYNACEAE (Frangipani, Forget-me-not) No available record on disease			
88. Portulaca oleracea PORTULACACEAE (Pig weed, Purslane)			
Root knot		Meloidogyne spp.	N
89. Rheo discolour Hance. COMMELINACEAE (Moses in a cradle ,Oyster boat, Lady-in- boat) Tan leaf spot		Curvularia sp.	F
90. Rosa sp. ROSACEAE (Rose)			
Crown gall	Agrobacterium tumefaciens		B
Leaf spot	Ascochyta sp. Diplocarpon rosae		F
Black spot			F
91. Rothmannia longiflora Salisb. - RUBIACEAE			
Mistletoe	Tapinanthus bangwensis		P
92. Roystonea regia ARECACEAE (Royal Palm) No available record on disease			
93. Samanea saman (Jacq.) Merr. FABACEAE (Rain Tree) No available record on disease			



103. *Thevetia nerifolia* APOCYNACEAE (Milk bush, Yellow chinensis)

Dodder infection	<i>Cascuta chiensis</i>		P
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104. *Veitchia* sp. ARECACEAE (Manila Palm)  
No available record on disease

105. *Zebrina pendula* Schnizl. -COMMELINACEAE (Wandering Jew) No record available on diseases

106. *Zephranthes* spp. AMARYLLIDACEAE (Rain lily) No record available on diseases

107. *Zinnia elegans* Jacq. ASTERACEAE (Zinnia)

Anthracnose	<i>Colletotrichum capsici</i>		F
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Leaf spot/stem blight	<i>Cercospora zinniae</i>		F
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Alternaria Leaf Spot	<i>Alternaria zinnia</i>		F
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#### VI. FORESTRY AND AGROFORESTRY PLANTS

Common Name	Scientific Name	Causal Agent	Plant Parts Affected
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1. *Acacia albida* Del. FABACEAE (Gozanga, Gum yielding plant, Kadd, Horaz, Gao)  
No available record on disease

2. *Acacia mangium* Willd FABACEAE  
No available record on disease

3. *Acacia senegal* (L) FABACEAE (Gum tree, Gum arabic)  
No available record on disease

Fungal Infections	<i>Cladosporium</i> sp., <i>Fusarium</i> sp.	F	
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4. *Adansonia digitata* MALVACEAE (Baobab)

Mistletoe	<i>Taphinanthus bangwensis</i>	P	branches
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*Taphinatus heteromorphous*

5. *Alfromosia alata* Harms. FABACEAE (Kokrodua) No available record on disease

6. *Albizia lebbek* (L.) Benth. FABACEAE (Woman's tongue, Darkwood Acasia)



Leaf spot and blight	Cercospora albizziae, Colletotrichum sp. , Alternaria alternate	F F F	leaf
Seedling wilt	Fusarium oxysporum	F	seedling
Leaf web blight	Rhizoctonia solani	F	
7. Alchonea cordifolia (Schaum & Thonn) Mull.Arg. EUPHORBIACEAE (Christmas bush, 'ogyamma', 'Guamma')			
Leaf infection	Asterina alchornea Appendiculella (Irena)	F	leaf
Black leaf mould/ Black mildew	hansfordii	F	leaf
Rust	Skierka congensis	F	leaf
Root rot	Armellaria mellea	F	root
8. Antiaris africana Engl. MORACEAE ('Kyenkyen') No available record on disease			
9. Azadirachta indica (A) Juss. MELIACEAE (Neem tree, 'Gyedua')			
Damping off	<i>Pythium</i> sp. <i>Phytophthora</i> spp. <i>Fusarium</i> spp. <i>Rhizoctonia</i> spp.	F F F	seedlings
Leaf spot	Colletotrichum gloeosporioides, Alternaria alternata	F F	leaf
Leaf blight	Colletotrichum dematium, Fusarium solani	F F	leaf
Leaf web blight	Rhizoctonia solani	F	leaf
Powdery mildew	Oidium azadirachtae	F	leaf
Dodder infection	Cassytha filliformis	P	branch
Seedling wilt	<i>Fusarium</i> solani	F	seedlings

10. *Borassus flabellifer* var. *aethiopum* (Mart) Warb.  
ARECACEAE (Palmyrah palm, Fan palm)  
No available record on disease

11. *Calliandra calothyrsus* Meissn. FABACEAE

Black mildew

*Asteridiella* sp. F

leaf

Leaf spot

*Cercospora* sp. F

leaf

Root rot

*Ammillaria* sp. F

root

12. *Casia spectabilis* D.C. FABACEAE

No available record on disease

13. *Casuarina equisetifolia* Forst. CASUARINACEAE

(Whistling pine, Horse tail tree)

Refer V.26 at page 5

14. *Ceiba pentandra* (L.) Gaertn. BOMBACACEAE (Kapok,  
Silk cotton tree)

Refer IV.1 at page 1

15. *Celtis milbraedi* Engl. ULMACEAE ('Esa') No available  
record on disease

16. *Chlorophora excelsa* (Welw.) Benth. MORACEAE

('Odum', 'Iroko') No available record on disease

17. *Entandrophragma angolense* (Welw.) MELIACEAE

('Edinim')

No available record on disease

18. *Entandrophragma utile* (Dawe & Sprag) MELIACEAE

(Utile) No available record on disease

19. *Eucalyptus citriodora* Hook. MYRTACEAE (Eucalyptus)

Root rot

*Rhizoctonia*  
*solani*, F

root

Red rust

*Fusarium* sp.  
*Caphaleuros*  
*mycoides* F

leaf

20. *Flemingia congesta* Roxbg. FABACEAE

No available record on disease

21. *Garcinia kola* Heckel. CLUSIACEAE

('Tweapea') No available record on disease

22. *Gliricidia sepium* FABACEAE (Mother of cocoa, Madera,  
*Gliricidia*)

Black mildew

*Meliola bicornis* F

leaf

23. *Gmelina arborea* Roxbg. VERBENACEAE (Snapdragon  
tree)

No available record on disease

24. *Kaya anthoteca* (Welw) MELIACEAE (White mahogany,  
mahogany)

No available record on disease

25. *Khaya ivoriensis* A Chev. MELIACEAE (African Mahogany)

Brown root rot	<i>Ganoderma noxious</i>	F	root
Rust	<i>Uredo tesoensis</i>	F	leaf

26. *Kaya senegalensis* (Desr.) A. Juss. MELIACEAE (Savanna/Dry land mahogany)  
Refer v.66

27. *Leucaena* spp. FABACEAE (Horse/wild Tamarind)  
No available record on disease

Damping-off:	<i>Pythium</i> sp.,	F	seedling
	<i>Rhizoctonia</i> sp.	F	

29. *Lophira alata* Banks ex P.Gaertn. OCHNACEAE (Red iron wood, 'Kaku') No available record on disease

30. *Moringa oleifera* Lam. MORINGACEAE (Horse – Radish Tree, Oil of Ben Tree)

Powdery mildew	<i>Leveillula taurica</i>	F	leaf
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31. *Musanga cecropioides* R.Br. ex Tedlie URTICACEAE (African corkwood tree or umbrella tree) No available record on disease

32. *Nauclea diderrichii* (De Wild) Merril RUBIACEA (African peach, 'Opepe', 'Kusia') No available record on disease

33. *Peltophorum pterocarpum* FABACEAE (Rust tree)  
No available record on disease

34. *Piptadeniastrum africanum* (Hook.f.) Brenan FABACEAE ('Dahoma') No available record on disease

35. *Pithecellobium dulce* (Roxb.) Benth. FABACEAE (Madras thorn)  
Refer to section V.86)

Leaf spot	<i>Phyllosticta inga-dulcis</i> , <i>Colletotrichum</i> sp.	F F	leaf
Twig blight	<i>Phomopsis</i> sp.	F	twing
Wood rot	<i>Polyporus gilvus</i>	F	Stem

36. *Senna siamea* (LAM) FABACEAE (Siamese cassia, sindian)

Wood rot	<i>Ganoderma noxiou</i>	F	stem
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Colar rot/	Sclerotium rolfsii	F	Stem and root
37. <i>Sesbania grandiflora</i> (L.) Poir. FABACEAE (Agati, Brède Malabar) No available record on disease			
38. <i>Strombosia pustulata</i> Oliv. OLACACEAE (Telephone and Electricity Pole tree, 'Afena') No available record on disease			
39. <i>Tectona grandis</i> L. VERBENACEAE (Teak) No available record on disease			
40. <i>Terminalia ivoriensis</i> A. Chev - COMBRETACEAE (‘Emere’) Damping off Dieback/decline			
	Fusarium sp.	F	seedlings
	Endothia spp.	F	stem
41. <i>Terminalia superba</i> Engl. & Diels COMBRETACEAE (‘ Ofram’) No available record on disease			
42. <i>Tieghemella heckelii</i> (A.Chev) Pierre ex Dubard SAPOTACEAE (Cherry Mahogany, ‘Baku’) No available record on disease			
43. <i>Triplochiton scleroxylon</i> K. Schum. MALVACEAE (‘Wawa’, ‘Obeche’)			
Black mildew	Meliola triplochitonis	F	leaf

## VII. FRUITS

Common Name	Scientific Name	Causal Agent	Plant Parts Affected
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1. *Anacardium occidentale* L. ANACARDIACEAE (Cashew)

Anthrachnose	<i>Colletotrichum gloeosporioides</i>	F	Leaf and fruit
Red rust	<i>Cephaleuros</i> sp.	A	leaf
Angular leaf spot	<i>Septoria anacardii</i>	F	leaf
Powdery mildew	<i>Oidium anacardii</i>	F	leaf
Shoot dieback:	<i>Pestalotia</i> sp.	F	twing
Dodder infection	<i>Cuscuta chinensis</i>	P	leaf

2. *Ananas comosus* BROMELIACEAE (Pinnacle)

Heart and root rot	<i>Phytophthora cinnamomi</i>	F	root and fruit
Root rot	<i>Phytophthora</i> sp.	F	root
Base rot	<i>Chalara paradoxa</i>	F	stem
Fruit rot	<i>Phytophthora</i> sp.	F	fruits
Black rot of fruit/Foot rot	<i>Ceratostomella paradoxa</i>	F	fruits
Leaf spot	<i>Corynespora cassicola</i>	F	leaf
Fruit rot	<i>Saccharomyces</i> spp. and <i>Candida</i> spp.	F	fruit
Nematode infections	<i>Meloidogyne javanica</i>	N	roots
	<i>Pratylenchus brachyurus</i>	N	root
	<i>Rotylenchulus reniformis</i>	N	root
Leaf spot	<i>Curvularia lunata</i>	F	leaf
Black mould	<i>Botryodiplodia theobromae</i>	F	leaf
Leaf blight	<i>Podoconium bakeri</i>	F	

3. *Annona muricata* L ANNONACEAE (Sour sop)

Anthrachnose	<i>Colletotrichum gloeosporioides</i>	F	
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4. *Annona squamosa* L. ANNONACEAE (Sweet sop)  
No available record on disease

5. *Artocarpus communis* Forst. MORACEAE (Seedless Breadfruit) No available record on disease

6. *Artocarpus heterophyllus* L. MORACEAE (Jack fruit) No available record on disease

7. *Averrhoa carambola* OXALIDACEAE (Carambola, star fruit)

Brown spot	<i>Alternaria alternata</i>	F	leaf
Anthracnose	<i>Colletotrichum gleosporoides</i>	F	leaf
Cercospora leaf spot	<i>Cercospora</i> sp.	F	leaf

8. *Carica papaya* L. CARICACEAE (Pawpaw)

Anthracnose	<i>Colletotrichum gleosporoides</i>	F	Leaf and fruit
Black rot (fruit)	<i>Mycosphaerella caricae</i>	F	
Black spot	<i>Asperisporium caricae</i>	F	
Phytophthora fruit rot	<i>Phytophthora palmivora</i>	F	Fruit, root
Powdery mildew	<i>Oidium</i> sp./ <i>Phyllactinia corylea</i>	F	leaf
Fruit rot	( <i>Glomerella cingulate</i> )	F	leaf
Root knot	<i>Meloidogyne</i> sp.	N	root
Mosaic	Papaya aphid-borne mosaic virus	V	leaf
Damping off	<i>Sclerotium rolfsii</i> / <i>Colletotrichum lindemuthianum</i>	F	Seedling
Ash blotch	<i>Macrophomina phaseolina</i>	F	Fruit
Flowering stem blight	<i>Choanephora cucurbitarum</i>	F	stem
Leaf spot	<i>Corynespora cassicola</i> / <i>Cercospora caricae</i>	F	leaf

9. *Chrysophyllum cainito* L. SAPOTACEAE (Star Apple, 'Adasema')

Leaf spots	<i>Phomopsis</i> sp., <i>Phyllosticta</i> sp.	F F	leaf
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10. *Citrullus vulgaris* Schrad. CUCURBITACEAE (Watermelon)

Fusarium wilt	<i>Fusarium</i> sp.	F	Whole plant
Leaf spots	<i>Cercospora</i> sp.,	F	leaf

	Septoria citrullina, Phyllosticta citrullina	F F	
Sclerotium rot	Sclerotium rofsii sp.	F	vine
Fruit rot	Pythium sp., Phytophthora sp.	F F	fruit
Downy mildew	Pseudoperonos pora cubensis	F	leaf
Root knot	Meloidogyne sp.	N	root
11. Citrus aurantifolia (Christm.) Swinge. RUTACEAE (Lime, sour lime, 'Akenkaa')			
Tristeza/Quick die back	Citrus Tristeza Virus	V	
Fusarium wilt	Fusarium oxysporum f.sp. niveum	F	Whole plant
Gummy stem blight	<i>Mycosphaerella</i> <i>citrullina</i>	F	stem
Green mould	Penicillium sp.	F	fruit
Root rot	Pythium spp.	F	Root
Alternaria leaf blight	Alternaria cucumerina	F	Leaf Root, crown and fruit
Phytophthora root, crown and fruit rot	Phytophthora capsici	F	
Gummosis	Diplodia natalensis	F	stem
Root-knot nematode	Meloidogyne spp.	N	root
Root rot	Armillaria mellea	F	root
Blue mould	Penicillium italicum	F	fruit
12. Citrus aurantium L. RUTACEAE (Bitter orange)			
Citrus Tristeza/Quick dieback	Citrus tristeza virus	V	Whole plant Leaf and fruit
Citrus scab	Elsinoe fawcetti	F	fruit
Blue mould	Penicillium digitatum	F	fruit
Green mould	Penicillium italicum	F	fruit
13. Citrus limon RUTACEAE (Lemon)			
Anthrachnose	Colletotrichum gloeosporioides	F	Fruit, leaf



Armillaria root rot	Armillaria mellea	F	Root
Gummosis	Diplodia natalensis	F	stem
Scab	Elsinoe fawcettii	F	Fruit, twing, fruit
Leaf spot	Alternaria citri	F	leaf
14. Citrus paradise Macfad. RUTACEAE (Grape fruit)			
Anthracnose	Colletotrichum gloeosporioides	F	
Brown rot	Phytophthora spp.	F	
Gummosis	Diplodia natalensis	F	stem
15. Citrus reticulata RUTACEAE (Tangerines)			
Anthracnose	Colletotrichum gloeosporioides	F	leaf
Brown rot	Phytophthora spp.	F	fruit
Armillaria root rot	Armillaria mellea	F	colar
Gummosis	Phytophthora spp. , Diplodia natalensis	F F	Stem
Tristeza disease	Citrus tristeza virus	V	Whole plant
Green mould	Penicillium digitatum	F	fruit
Blue mould	Penicillium italicum	F	Fruit
16. Citrus sinensis L Osbeck. RUTACEAE (Sweet orange)			
Anthracnose	Colletotrichum gloeosporioides	F	
Angular leaf spot	Pseudocercospora angolensis	F	Leaf,fruit
*Scab	Elsinoe fawcettii	F	
Brown rot	Phytophthora spp.	F	
root rot	Armillaria mellea/ Rosellinia sp, Poria mypolateritia, Sphaerostilbe sp. Ganoderma lucidum	F	

Exocortis		Virus	V	
Lichens infection		Lichens	L	
		Phytophthora citrophthora, Lasiodiplodia theobromae		
*Gummosis			F	stem
			F	
		Meloidogyne spp.	N	
Root knot nematode		Pratylenchus spp., Tylenchus semipenetrans		
Citrus nematode			N	
*Tristeza disease		Citrus tristeza	V	

**VEGETABLES**

**Tomato (*Solanum lycopersicum* L.)**

<b>Organism</b>	<b>Order</b>	<b>Family</b>	<b>Plant Part attacked</b>
<b>Tomatoes(<i>Solanum lycopersicum</i> L.)</b>			
<i>Achaea albicilia</i> Btlr.	Lepidoptera	Noctuidae	frp
<i>Achaea catocaloides</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea endochlora</i> Hmps.	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> (Boisd.)	Lepidoptera	Noctuidae	frp
<i>Achaea mormoides</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Aphis gossypii</i> Glover	Homoptera	Aphididae	sh, l
<i>Aphis craccivora</i> Koch	Homoptera	Aphididae	sh,l
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<i>Gryllotalpa</i> spp.	Orthoptera	Gryllotalpidae	
<i>Helicoverpa armigera</i> (Hub.)	Lepidoptera	Noctuidae	fr, sh
<i>Liriomyza</i> spp.	Diptera	Agromyzidae	l
<i>Oligonychus gossypii</i> (Zacher)	Acarina	Tetranychidae	l
<i>Tetranychus telarius</i>	Acarina	Tetranychidae	l
<i>Tuta absoluta</i>	Lepidoptera	Gelechiidae	l,sh,fr

**Aubergines and Egg plants**

***Solanum aethiopicum*, *S. melongena*, *S. torvum***

<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh
<i>Aphis gossypii</i> Glover	Homoptera	Aphididae	l, sh
<i>Bactrocera cucurbitae</i>	Diptera	Tephritidae	fr
<i>Bactrocera dorsalis</i>	Diptera	Tephritidae	fr
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Helicoverpa armigera</i> (Hub.)	Lepidoptera	Noctuidae	p
<i>Leucinodes orbonalis</i> Gn.	Lepidoptera	Pyralidae	fr, sh
<i>Tetranychus</i> spp.	Acarina	Tetranychidae	
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr,l sh
<i>Thaumatotibia leucotreta</i>	Lepidoptera	Tortricidae	l, fr, sh
<i>Thrips tabaci</i>	<b>Thysanoptera</b>	<b>Thripidae</b>	<b>l</b>
<i>Thrips palmi</i>	Thysanoptera	Thripidae	fr

**Pepper (*Capsicum* spp.)**

<i>Aphis craccivora</i>	<b>Homoptera</b>	<b>Aphididae</b>	<b>l</b>
<i>Bactrocera dorsalis</i>	Diptera	Tephritidae	fr
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i>	Diptera	Tephritidae	fr
<i>Liriomyza brassicae</i>	Diptera	Agromyzidae	l
<i>Oligonychus gossypii</i> (Zacher)	Acarina	Tetranychidae	l
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr,l sh
<i>Thaumatotibia leucotreta</i>	Lepidoptera	Tortricidae	f

**Onions and shallots (*Allium* spp. )**

<i>Spodoptera littoralis</i> (Boisd.)	Lepidoptera	Noctuidae	l
<i>Thrips tabaci</i> Linn.	Thysanoptera	Thripidae	l

**Okro/ Okra *Abelmoschus (Hibiscus) esculentus*  
(L.) Moench**

<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh
<i>Aphis gossypii</i> (Glover)	Homoptera	Aphididae	b
<i>Helicoverpa</i> spp.	Lepidoptera	Noctuidae	l, fr
<i>Leucinodes orbonalis</i> Gn	Lepidoptera	Noctuidae	l, fr
<i>Myzus persicae</i> (Sulzer)	Homoptera	Aphididae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Spodoptera frugiperda</i>	Lepidoptera	Noctuidae	l,sh,
<i>Sylepta derogata</i> (F.)	Lepidoptera	Pyalidae	l

**Lettuce (*Lactuca sativa* Linn.)**

<i>Plusia orichalcea</i> (F.)	Lepidoptera	Noctuidae	l
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**Cabbage (*Brassica oleracea var capitata* Linn.)**

<i>Aphis gossypii</i> (Glover)	Homoptera	Aphididae	l
<i>Bemisia tabaci</i> Genn	Homoptera	Aleyrodidae	l
<i>Hellula undalis</i> (F.)	Lepidoptera	Pyalidae	l
<i>Lipaphis erysimi</i>	Hemiptera	Aphididae	l
<i>Plutella xylostella</i> (L.)	Lepidoptera	Plutellidae	l

**Cucumber (*Cucumis sativus* Linn.)**

<i>Zeugodacus(=Bactrocera)cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Bemisia tabaci</i> (Gennadius)	Hemiptera	Aleyrodidae	l
<i>Dacus armatus</i> F.	Diptera	Tephritidae	fr
<i>Dacus bivittatus</i> (Bigot)	Diptera	Tephritidae	fr
<i>Dacus ciliatus</i> (Loew)	Diptera	Tephritidae	fr
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<i>Dacus vertebratus</i> Bezzi	Diptera	Tephritidae	fr
<i>Liriomyza trifolii</i> (Burgess)	Diptera	Agromyzidae	l

**Water leaf, Ceylon spinach (*Talinum* sp.)**

<i>Myzus persicae</i> (Sulzer)	Homoptera	Aphididae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Liriomyza trifolii</i> (Burgess)	Diptera	Agromyzidae	l

**Alayfu (*Amaranthus* spp.)**

<i>Bemisia tabaci</i> (Gennadius)	Hemiptera	Aleyrodidae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Liriomyza</i> spp.	Diptera	Opomyzoidae	

**Tinda, Indian squash (*Praecitrullus fistulosus*)**

<i>Aphis gossypii</i>	Hemiptera	Aphididae	l
<i>Zeugodacus(=Bactrocera)cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Dacus bivittatus</i> (Bigot)	Diptera	Tephritidae	fr
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<i>Frankliniella occidentalis</i> (Pergande)	Thysanoptera	Thripidae	l, sh, fr, fl
<i>Liriomyza</i> spp.	Diptera	Opomyzoidae	l
<i>Myzus persicae</i>	Hemiptera	Aphididae	l
<i>Tetranychus urticae</i> Koch	Acarina	Tetranychidae	fr, l, sh

**Bitter melon/ African cucumber (*Momordica charantia*)**

<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Thrips palmi</i> ?	Thysanoptera	Thripidae	fr, f

<i>Dacus bivittatus</i> (Bigot)	Diptera	Tephritidae	fr
<i>Dacus ciliatus</i> (Loew)	Diptera	Tephritidae	fr
<i>Dacus punctatifrons</i> Karsch	Diptera	Tephritidae	fr
<b>Bitter Leaf (<i>Vernonia amygdalina</i>)</b>			
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<b>Taro (<i>Colocasia</i>)</b>			
<b><i>Aleurodicus dispersus</i></b>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<b>Cocoyam (<i>Xanthosoma spp</i>) leaves</b>			
<b><i>Aleurodicus dispersus</i></b>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<b>Roselle (<i>Hibiscus sabdariffa var. altissima</i>)</b>			
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l, fl
<i>Nisotra sjostedti</i> (Jac.)	Coleoptera	Halticidae	l
<i>Paracoccus marginatus</i> Williams and Granara de Willink	Hemiptera	Pseudococcidae	l, fl, fr, sh
<i>Podagricra uniformis</i> (Jac.)	Coleoptera	Halticidae	l
	Coleoptera	Chrysomelidae	
<b>African basil (<i>Ocimum gratissimum</i>)</b>			
<b><i>Aleurodicus dispersus</i></b>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<b>Sweet Basil (<i>Ocimum basilicum</i>)</b>			
<b><i>Aleurodicus dispersus</i></b>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<b>Fluted pumpkin (<i>Telfairia occidentalis</i> )</b>			
<b><i>Aleurodicus dispersus</i></b>	Hemiptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Dacus spp.</i>	Diptera	Tephritidae	fr
<i>Bactrocera spp.</i>	Diptera	Tephritidae	fr
<b>Vegetable jute (<i>Corchorus olitorius</i>)</b>			
<i>Aleurodicus dispersus</i> Russel	Homoptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr, l sh
<b>Cassava (<i>Manihot esculenta</i>) leaf</b>			
<i>Aleurodicus dispersus</i> Russel	Homoptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<i>Mononychelus tanajoa</i> (Bondar)	Prostigmata	Tetranychidae	l
<i>Oligonychus gossypii</i> (Zacher)	Acarina	Tetranychidae	l
<i>Phenacoccus manihoti</i> (Mat-Ferr)	Hemiptera	Psedococcidae	l, sh
<i>Tetranychus telarius</i>	Acarina	Tetranychidae	l
<i>Tetranychus urticae</i> Koch	Trombidiformes	Tetranychidae	fr, l sh
<b>Turia (<i>Luffa acutangula</i>)</b>			
<b><i>Zeugodacus (=Bactrocera)cucurbitae</i> (Coquillett)</b>	Diptera	Tephritidae	fr
<i>Bactrocera dorsalis</i>	Diptera	Tephritidae	fr
<i>Thrips palmi</i> ?	Thysanoptera	Thripidae	f

<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<b>Chia (<i>Salvia sp.</i>)</b>			
<i>Aleurodicus dispersus</i> Russel	Homoptera	Aleyrodidae	l
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<b>Sweet potato (<i>Ipomoea batatas</i>) leaf</b>			
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l
<b>Mint (<i>Mentha sp.</i>)</b>			
<i>Aleurodicus dispersus</i>			
<i>Bemisia tabaci</i> (Genn.)	Hemiptera	Aleyrodidae	l

#### Key

F = flower fr = fruit frp = fruit piecer l = leaf s = stem sh = shoot

NB. Thrips palmi on bitter lemon, turia and eggplant/aubergines has a question mark against it because it has not yet been determined in Ghana.

tu= tuber

#### Citrus spp.

##### Organism

<u>Organism</u>	<u>Order</u>	<u>Family</u>	<u>Part Attacked</u>
<i>Achaea albicilia</i> Btlr.	Lepidoptera	Noctuidae	frp
<i>Achaea albifimbria</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Achaea boris</i> (Geyer)	Lepidoptera	Noctuidae	frp
<i>Achaea catocalides</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea echo</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl	Lepidoptera	Noctuidae	frp
<i>Achaea finita</i> Gn,	Lepidoptera	Noctuidae	frp
<i>Achaea indicabilis</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> (Boisd.)	Lepidoptera	Noctuidae	frp
<i>Achaea mabillii</i> (Saalm)	Lepidoptera	Noctuidae	frp
<i>Achaea mercotoria</i> (F.)	Lepidoptera	Noctuidae	frp
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis breinii</i> Guerin-Meneville	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Weidemann)	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Ceratitis ditissima</i> (Munro)	Diptera	Tephritidae	fr
<i>Ceratitis punctata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis quinaria</i> (Bezzi)	Diptera	Tephritidae	fr
<i>Ceratitis silvestrii</i> Bezzi	Diptera	Tephritidae	fr
<i>Papilio demodecus</i> Esp.	Lepidoptera	Papilionidae	l
<i>Papilio nireus</i> L.	Lepidoptera	Papilionidae	l
<i>Stictococcus</i> spp			
<i>Toxoptera aurantii</i> (Boy).	Homoptera	Aphididae	sh,l
<i>Toxoptera citricidus</i> (Kirk)	Homoptera	Aphididae	sh,l
<i>Aphis gossypii</i>	Hemiptera	Aphididae	l
<i>Tetranychus urticae</i> Koch	Acarina	Tetranychidae	fr, l, sh
<i>Myzus persicae</i>	Hemiptera	Aphididae	l
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p

#### FRUITS

**Avocado (*Persea americana* Mill.)****Aleurodicus dispersus**

<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis fasciventris</i> Bezzi	Diptera	Tephritidae	fr
<i>Planococcoides njalensis</i> (Laing)	Homoptera	Thripidae	fr, l
<i>Anoplocnemis curvipes</i> (Fabricius)	Heteroptera	Coreidae	p

**Mango (*Mangifera indica* Linn.)**

<i>Achaea albicilia</i> Btlr	Lepidoptera	Noctuidae	frp
<i>Achaea catocaloides</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Achaea finita</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> (Boisd)	Lepidoptera	Noctuidae	frp
<i>Achaea mabilli</i> (Saalm)	Lepidoptera	Noctuidae	frp
<i>Achaea mercotoria</i> (F)	Lepidoptera	Noctuidae	frp
<i>Achaea mormoides</i>	Lepidoptera	Noctuidae	frp
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis breinii</i> Guerin-Meneville	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Ceratitis ditissima</i> (Munro)	Diptera	Tephritidae	fr
<i>Ceratitis fasciventris</i> Bezzi	Diptera	Tephritidae	fr
<i>Ceratitis punctata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis quinaria</i> (Bezzi)	Diptera	Tephritidae	fr
<i>Ceratitis rosa</i> Karsch	Diptera	Tephritidae	fr
<i>Ceratitis silvestrii</i> Bezzi	Diptera	Tephritidae	fr
<i>Dacus ciliatus</i>	Diptera	Tephritidae	fr
<i>Phenacoccus mairerensis</i>	Homoptera	Pseudococcidae	l,sh
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	l, sh
<i>Rastrococcus invadens</i>	Homoptera	Pseudococcidae	l
<i>Sternochetus mangiferae</i> (F)	Coleoptera	Curculionidae	sd

**Pawpaw (*Carica papaya* Linn.)**

<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis rosa</i> Karsch	Diptera	Tephritidae	fr
<i>Coccus hesperidum</i> L.	Hemiptera	Coccidae	l, ,fr,sh
<i>Oligonychus</i> spp.	Acarina	Tetranychidae	l
<i>Tetranychus</i> spp.	Acarina	Tetranychidae	l
<i>Paracoccus marginatus</i> Williams and Granara de Willink	Hemiptera	Pseudococcidae	l, fl,fr,sh

**Pineapple (*Ananas comosus*) (L). Merv.**

<i>Dysmicoccus brevipes</i> (Ckll.)	Homoptera	Pseudococcidae	l,r
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	r
<i>Planococcoides njalensis</i> (Laing)	Homoptera	Pseudococcidae	r
<i>Thrips tabaci</i>	Thysanoptera	Thripidae	l
<i>Hanseniella</i> sp (Symphilids)	Symphyla	Scutigerellidae	

**Banana and Plantain (*Musa spp.*)**

<i>Aleurodicus dispersus</i>	Homoptera	Tephritidae	l
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Cosmopolites sordidus</i> (Germ.)	Coleoptera	Curculionidae	rh
<i>Dysmicoccus brevipes</i> (Ckll.)	Homoptera	Pseudococcidae	l,r

**Cashew (*Anacardium occidentale* Linn.)**

<i>Analeptes trifasciata</i> Fabr.	Coleoptera	Cerambycidae	frp,s
<i>Anoplocnemis curvipes</i> (Fab.)	Heteroptera	Coreidae	fr, sh
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis capitata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Apate terebrans</i> Pallas	Coleoptera	Bostrichidae	fr

**Guava (*Psidium quajava* Linn.)**

<i>Achaea albicillia</i> Btlr.	Lepidoptera	Noctuidae	frp
<i>Achaea albifimbria</i> Walk.	Lepidoptera	Noctuidae	frp
<i>Achaea boris</i> (Geyer)	Lepidoptera	Noctuidae	frp
<i>Achaea ezea</i> Cram.	Lepidoptera	Noctuidae	frp
<i>Achaea faber</i> Holl.	Lepidoptera	Noctuidae	frp
<i>Achaea finite</i> Gn.	Lepidoptera	Noctuidae	frp
<i>Achaea lienardi</i> (Boisd.)	Lepidoptera	Noctuidae	frp
<i>Achaea mercotoria</i> (F.)	Lepidoptera	Noctuidae	frp
<i>Achaea mornoides</i> Wlk.	Lepidoptera	Noctuidae	frp
<i>Bactrocera dorsalis</i> (Hendel)	Diptera	Tephritidae	fr
<i>Ceratitis anonae</i> Graham	Diptera	Tephritidae	fr
<i>Ceratitis cosyra</i> (Walker)	Diptera	Tephritidae	fr
<i>Ceratitis fasciventris</i> Bezzi	Diptera	Tephritidae	fr
<i>Ceratitis punctata</i> (Wiedemann)	Diptera	Tephritidae	fr
<i>Ceratitis quinaria</i> (Bezzi)	Diptera	Tephritidae	fr
<i>Ceratitis rosa</i> Karsch	Diptera	Tephritidae	fr
<i>Planococcoides njalensis</i> (Laing)	Homoptera	Pseudicoccidae	l,sh,fr

**Passion fruit (*Passiflora edulis* Sims)**

<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
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**Curcubits and Citrullus (Melons and Squashes)**

<i>Anoplocnemis curvipes</i> (Fabricius)	Heteroptera	Coreidae	s,fr
<i>Zeugodacus</i> (= <i>Bactrocera</i> ) <i>cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Bactrocera dorsalis</i>	Diptera	tephritidae	fr
<i>Dacus armatus</i> F.	Diptera	Tephritidae	fr
<i>Dacus bivittatus</i>	Diptera	Tephritidae	fr
<i>Dacus vertebratus</i>	Diptera	Tephritidae	fr
<i>Bemisia tabaci</i> (Gennadius)	Hemiptera	Aleyrodidae	l
<i>Aleurodicus dispersus</i> Russel	Homoptera	Aleyrodidae	l

**Bottle gourd (*Lagenaria siceraria*)**

<i>Zeugodacus</i> (= <i>Bactrocera</i> ) <i>cucurbitae</i> (Coquillett)	Diptera	Tephritidae	fr
<i>Dacus bivittatus</i>	Diptera	Tephritidae	fr
<i>Dacus ciliatus</i>	Diptera	Tephritidae	fr

**Key**



F = flower fr = fruit frb = fruit borer frp = fruit piercer L = leaf rh = rhizome s = stem

### GRAIN CEREALS

#### **Rice (*Oryza sativa* Linn.)**

<b>Organism</b>	<b>Order</b>	<b>Family</b>	<b>Plant Part attacked</b>
<i>Eldana saccharina</i>			
<i>Gryllotalpa africana</i> P. de B.	Orthoptera	Gryllotalpidae	r
<i>Nezera soror</i> Schout	Heteroptera	Pentatomidae	gr
<i>Nezera viridula</i> (L.)	Heteroptera	Pentatomidae	l
<i>Spodoptera exempta</i> Wlk.	Lepidoptera	Noctuidae	l
<i>Spodoptera frugiperda</i> (Smith)	<i>Lepidoptera</i>	<i>Noctuidae</i>	

#### **Stored rice pests**

<i>Ahasverus advena</i> (Waltl.)	Coleoptera	Silvanidae	
<i>Araecerus fasciculatus</i> (Deg.)	<i>Coleoptera</i>	<i>Anthribidae</i>	
<i>Apostigmaeus</i> sp.	Acarina	Tetranychidae	
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Chorotoglyphus arcuatus</i> Troup.	Astigmata	Chortoglyphidae	
<i>Corcyra cephalonica</i> (Stnt.)	Lepidoptera	Pyralidae	
<i>Cryptolestes</i> spp.	Coleoptera	Cucujidae	
<i>Ephestia kuehniella</i> (Zell.)	Lepidoptera	Pyralidae	
<i>Ephestia cautella</i> Walker	Lepidoptera	Pyralidae	
<i>Gnatocerus maxillosus</i> (F.)	Coleoptera	Tenebrionidae	
<i>Latheticus aryzae</i> Waterhouse	Coleoptera	Tenebrionidae	
<i>Lasioderma serricorne</i> (Fabricius)	<i>Coleoptera</i>	<i>Anobiidae</i>	
<i>Lophocaters pusillus</i> (Klug.)	Coleoptera	Lophocateridae	
<i>Oryzaephilus mercator</i> (Fauvel)	Coleoptera	Silvanidae	
<i>Oryzaephilus surinamensis</i> (L.)	Coleoptera	Silvanidae	
<i>Rhyzopertha dominica</i> (F.)	Coleoptera	Bostrichidae	
<i>Setomorpha rutella</i> Zell.	Lepidoptera	Tineidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	Curculionidae	
<i>Sitotroga cerealella</i> (Ol.)	Lepidoptera	Gelechiidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i>	<i>Coleoptera</i>	<i>Tenebrionidae</i>	
<i>Tydeus interruptus</i> Sig Thor	Prostigmata	Tydeidae	
<i>Tyrophagus</i> spp.	Astigmata	Acaridae	

#### **Maize (*Zea mays* Linn.)**

<i>Busseola fusca</i> (Fuller)	Lepidoptera	Noctuidae	s
<i>Busseola quadrata</i> Bowden	Lepidoptera	Noctuidae	s
<i>Chilo aleniellus</i> Strand	<i>Lepidoptera</i>	<i>Pyralidae</i>	<i>sh</i>
<i>Cicadulina mbila</i> (Nuade)	Homoptera	Cicadellidae	l
<i>Eldana saccharina</i> Wlk.	Lepidoptera	Pyralidae	s
<i>Sesamia calamistis</i> Hampson.	Lepidoptera	Noctuidae	s
<i>Sesamia panniseti</i> (Tams & Bowden).	Lepidoptera	Noctuidae	s
<i>Sesamia poephaga</i> (Tams & Bowden).	Lepidoptera	Noctuidae	s
<i>Spodoptera exempta</i> Wlk.	Lepidoptera	Noctuidae	l
<i>Spodoptera frugiperda</i>	<i>Lepidoptera</i>	<i>Noctuidae</i>	<i>l,sh</i>

#### **Stored Maize (*Zea mays* Linn.) Pest**

<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Gelechiidae	
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<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
<i>Aphis gossypii</i>	Homoptera	Aphididae	l
<i>Aspavia albidomaculata</i> Stal	Heteroptera	Pentatomidae	p
<i>Bemisia tabaci</i> (Whitefly)	Hemiptera	Aleyrodidae	l, fl
<i>Clavigralla elongata</i> (Signoret)	Heteroptera	Coreidae	p
<i>Clavigralla tomentosicollis</i>	Heteroptera	Coreidae	l
<i>Clavigralla shadabi</i> (Dolling)	Heteroptera	Coreidae	p
<i>Empoasca dolichi</i> (Paoli)	Homoptera	Cicadellidae	l
<i>Helicoverpa armigera</i> (Hub.)	Lepidoptera	Noctuidae	p
<i>Maruca vitrata</i> (Geyer)	Lepidoptera	Pyralidae	f,p
<i>Megalurothrips sjostedti</i> (Trybom)	Thysanoptera	Thripidae	f
<i>Nezera viridula</i> (L.)	Heteroptera	Pentatomidae	p
<i>Ootheca mutabilis</i> (Sahlb)	Coleoptera	Galerucidae	l
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<i>Riptortus dentipes</i> (Fabricius)	Heteroptera	Alydidae	p
<i>Spodoptera littoralis</i> (F.)	Lepidoptera	Noctuidae	p
<i>Spodoptera frugiperda</i> (Smith)	Lepidoptera	Noctuidae	l,sh
<i>Thaumatotibia leucotreta</i>	Lepidoptera	Tortricidae	l, fr, sh

#### **Stored cowpea pests**

<i>Bruchidius atrolineatus</i> (Pic).	Coleoptera	Bruchidae	
<i>Callosobruchus maculatus</i> (F.).	Coleoptera	Bruchidae	
<i>Ephestia cautella</i> (Walker)	Lepidoptera	Pyralidae	
<i>Rhyzopertha dominica</i> (F.)	Coleoptera	Bostrichidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	curculionidae	
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	curculionidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i> Jacquelin du Val			
<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	

#### **Bambara bean (*Vigna (=Voandzeia) subterranea***

Linn.

#### **Agrotis spp.**

<i>Aphis craccivora</i>	Lepidoptera	Noctuidae	
<i>Bemisia tabaci</i> (Genn.)	Homoptera	Aphididae	
<i>Ootheca mutabilis</i> Sahib.	Hemiptera	Aleyrodidae	l, fl
	Coleoptera	Galerucidae	l

#### **Stored Bambara-bean pests**

<i>Bruchus</i> spp.	Coleoptera	Bruchidae	
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Callosobruchus subinnotatus</i> (Pic)	Coleoptera	Bruchidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae	
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae	

#### **Groundnut (*Arachis hypogea* Linn.)**

<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,sh
<i>Aphis gossypii</i> Glover	Homoptera	Aphididae	
<i>Anoplocnemis curvipes</i> (Fabricius)	Heteroptera	Coreidae	p
<i>Bemisia tabaci</i> (Whitefly)	Hemiptera	Aleyrodidae	l, fl
<i>Empoasca</i> spp.	Homoptera	Cicadellidae	l
<i>Macrotermes bellicosus</i> (Smeath).	Isoptera	Termitidae	
<i>Selepa docilis</i> Butler	Lepidoptera	Nolidae	l,sh
<i>Cyclocephala lalurida</i>	Coleoptera	Scarabaeidae	l,sh,r
<i>Eurymerodesmus</i> spp.	Polydesmida	Eurymerodesmidae	l

<i>Ctenicera destructor</i>	Coleoptera	Elateridae	I
<i>Dysmicoccus brevipes</i>	Hemiptera	Pseudococcidae	I,sh

**Stored Groundnut pest**

<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i> Jacquelin du Val			

**Soybean (*Glycine max* Merr.)**

<i>Altica</i> sp.	Coleoptera	Chrysomelidae	I
<i>Anoplocnemis curvipes</i> (Fab)	Heteroptera	Coreidae	p
<i>Aspavia armigera</i> (F.)	Heteroptera	Coreidae	p
<i>Clavigralla tomentosicollis</i>	Heteroptera	Coreidae	
<i>Helicoverpa armigera</i> (Hub.)	Lepidoptera	Noctuidae	p
<i>Nezera viridula</i> (L)	Heteroptera	Pentatomidae	p
<i>Oothea mutabilis</i> (Sahlb)	Coleoptera	Galerucidae	I
<i>Podagrica uniformis</i> Jac.	Coleoptera	Halticidae	I
<i>Riptortus dentipes</i> (Fabricius)	Heteroptera	Alydidae	
<i>Selepa docilis</i> Butler	Lepidoptera	Nolidae	I,sh
<i>Spodoptera littoralis</i> (F.)	Lepidoptera	Noctuidae	
<i>Chrysodeixis acuta</i> (Walker)	Lepidoptera	Noctuidae	1,sh

**Stored soyabean pests**

<i>Acanthoscelides obtectus</i> (Say)			
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	
<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	

**Broadbean (*Vicia faba* Linn.)**

<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	I,sh
<i>Bemisia tabaci</i> (Whitefly)	Hemiptera	Aleyrodidae	I
<i>Leptoglossus</i> spp.	Heteroptera	Coreidae	p

**Kidney bean (*Phaseolus vulgaris* Linn.)**

<i>Aphis</i> spp.	Homoptera	Aphidae	I
<i>Maruca vitrata</i> (Geyer)	Lepidoptera	Pyralidae	p
<i>Oothea mutabilis</i> Sahlb	Coleoptera	Galerucidae	I
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	I
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	I,sh
<i>Myzus persicae</i> (Sulzer)	Homoptera	Aphididae	I

**Stored kidney-bean pest**

<i>Acanthoscelides obtectus</i> (say.)	Coleoptera	Bruchidae	
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	

**Lima-bean (*Phaseolus lunatus* Linn.)**

<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	I,p
<i>Myzus persicae</i> (Sulz.)	Homoptera	Aphididae	I
<i>Podagrica uniformis</i> (Jac.)	Coleoptera	Halticidae	I

**Stored lima-bean pests**

<i>Lasioderma serricorne</i> (F.)	Coleoptera	Anobiidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	Curculionidae	
<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Ephestia cautella</i> (Wlk.)	Lepidoptera	Pyralidae	

**Pigeon pea (*Cajanus cajan* Linn.)**

<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p
<i>Clavigralla tomentosicollis</i>	Heteroptera	Coreidae	
<i>Helicoverpa armigera</i> (Hub.)	Lepidoptera	Noctuidae	p
<i>Maruca vitrata</i> (Geyer)	Lepidoptera	Pyralidae	f,p
<i>Phenacoccus solenopsis</i>	Hemiptera	Pseudococcidae	l,sh

**Stored pest of Pigeon pea**

<i>Callosobruchus maculatus</i> (F.)	Coleoptera	Bruchidae	g
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**Key**

f=flower      l=leaf      p=pod      s=stem

**OIL CROPS****Oil palm (*Elaeis guinensis*. Jacq.)**

Organism	Order	Family	Plant Part attacked
<i>Augosoma contaurius</i>	Coleoptera	Dynastidae	
<i>Coelaenomenodera alaeidis</i>	Coleoptera	Chrysomelidae	l
<i>Coelaenomenodera lameensis</i>	Coleoptera	Hispidae	l
<i>Oryctes boas</i>	Coleoptera	Scarabaeidae	l
<i>Oryctes monoceros</i>	Coleoptera	Scarabaeidae	l
<i>Pimelephila ghesquiere</i> Trams	Lepidoptera	Pyralidae	l
<i>Rhynchophorus phoenicis</i> (F.)	Coleoptera	Curculionidae	s,l
<i>Temnoschoita quadripustulata</i>	Coleoptera	Curculionidae	s,l
<i>Macrotermes spp.</i>	Isoptera	Termitidae	s

**Stored oil palm kernel pests**

<i>Sitophilus zeamais</i> (Motschulsky)	Coleoptera	Curculionidae	
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**Coconut (*Cocos nucifera* Linn.)**

<i>Augosoma centaurus</i> F.	Coleoptera	Dynastidae	
<i>Coelaenomenodera alaeidis</i>	Coleoptera	Chrysomelidae	l
<i>Coelaenomenodera lameensis</i>	Coleoptera	Hispidae	
<i>Eldana saccharina</i> Walker	Lepidoptera	Pyralidae	
<i>Gryllotalpa sp.</i>	Orthoptera	Gryllotalpidae	
<i>Microtermes solidus</i> Silv.	Isoptera	Termitidae	
<i>Microtermes splendens</i> Sjost	Isoptera	Termitidae	
<i>Macrotermes nigrensis</i> (Sjost)	Isoptera	Termitidae	s
<i>Myndus adiopodomensis</i>	Homoptera	Cicadellidae	l
<i>Oryctes boas</i> (F.)	Coleoptera	Dynastidae	l
<i>Oryctes monoceros</i> (OL.)	Coleoptera	Dynastidae	l
<i>Oryctes owariensis</i> P. de.B.	Coleoptera	Dynastidae	l
<i>Rhynchophorus phoenicis</i> (F.)	Coleoptera	Curculionidae	l,s
<i>Temnoschoita quadripustulata</i> (Gyllenhal)	Coleoptera	Curculionidae	l

**Stored coconut (copra) pests***Ephestia cautella* (Wlk.)*Sitophilus zeamais* (Motschulsky)

Lepidoptera

Coleoptera

Pyralidae

Curculionidae

**Vitellaria paradoxa (=Butyrospermum parkii)****Kotschy (Shea butter)***Apate terebrans* (Pallas)*Analeptes trifasciata**Ceratitis capitata**Cirina forda* (Westwood)

Coleoptera

Coleoptera

Ditera

Hymenoptera

Bostrychidae

Cerambycidae

Tephritidae

Saturnidae

sh

br

fr

l

**Sesamum indicum Linn. (Sesame)***Antigastra catalaunalis* (Dup.)*Bemisia tabaci* (Genn.)*Aleurodicus dispersus* Russel*Aphis craccivora* (Koch)*Thrips* spp*Empoasca*

Lepidoptera

Hemiptera

Homoptera

Homoptera

Thysanoptera

Hemiptera

Pyralidae

Aleyrodidae

Aleyrodidae

Aphididae

Thripidae

Cicadellidae

l, fl

l

l,sh

**Stored sesame pests***Ephestia cautella* (Wlk.)*Lasioderma serricorne* (F.)*Sitophilus zeamais* (Motschulsky)*Tribolium castaneum* (Hbst.)

Lepidoptera

Coleoptera

Coleoptera

Coleoptera

Pyralidae

Anobiidae

Curculionidae

Tenebrionidae

**Helianthus annuus Linn. (Sunflower)***Bemisia tabaci* (Genn.)*Helicoverpa armigera* (Hub.)*Phenacoccus solenopsis*

Hemiptera

Lepidoptera

Hemiptera

Aleyrodidae

Noctuidae

Pseudococcidae

l, fl

p

l,sh

Key

f=flowers, fr=fruit, l=leaf, s=stem, sh=shoot

**ROOT AND TUBER****Cassava ( *Manihot esculenta* Crantz)****Organism****Order****Family****Plant Part attacked***Aleurodicus dispersus**Bemisia tabaci* (Gennadius)*Macrotermes bellicosus**Macrotermes* spp.*Microtermes* spp.*Mononychellus tanajoa**Oligonychus gossypii* (Zacher)*Phenacoccus maderensis**Phenacoccus manihoti* (Mat.-Fer)*Tetranychus telarius*

Hemiptera

Homoptera

Isoptera

Isoptera

Isoptera

Acarina

Acarina

Homoptera

Homoptera

Acarina

Aleyrodidae

Aleyrodidae

Termitidae

Termitidae

Termitidae

Tetranychidae

Tetranychidae

Pseudococcidae

Pseudococcidae

Tetranychidae

l, fr, sh

l

s,r

s,r

l

l

l,sh

l,sh

l

**Stored Cassava chips***Araecerus fasciculatus* (Deg.)*Carpophilus* sp.*Ephestia cautella* (Wlk.)*Lasioderma serricorne* (F.)

Coleoptera

Coleoptera

Lepidoptera

Coleoptera

Anthribidae

Nitidulidae

Gelechiidae

Anobiidae



<i>Oryzaephilus mercator</i> (Fauv.)	Coleoptera	Silvanidae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Sitophilus oryzae</i> (L.)	Coleoptera	Curculionidae	
<i>Sitophilus zeamais</i> (Motshulsky)	Coleoptera	Curculionidae	

**Yam (*Dioscorea* sp.)**

<i>Dysmycoccus brevipes</i> (Ckll.)	Homoptera	Pseudococcidae	
<i>Heteroligus meles</i> (Billb)	Coleoptera	Dynastidae	tu
<i>Heteroligus apius</i>	Coleoptera	Scarabaeidae	
<i>Macrotermes</i> spp.	Isoptera	Termitidae	
<i>Odontotermes</i> spp	Isoptera	Termitidae	
<i>Planococcus kenyae</i>	Homoptera	Pseudococcidae	
<i>Phenacoccus mairerensis</i>	Homoptera	Pseudococcidae	l,sh
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	tu
<i>Aspidiotus destructor</i>	Hemiptera	Diaspididae	

**Stored Yam pests**

<i>Araecerus fasciculatus</i> (Deg.)	Coleoptera	Anthribidae	
<i>Ephestia cautella</i> Walker	Lepidoptera	Pyralidae	
<i>Lasioderma serricornis</i> (F.)	Coleoptera	Anobiidae	
<i>Prostephanus truncatus</i> (Horn.)	Coleoptera	Bostrichidae	
<i>Rhyzopertha dominica</i> F.	Coleoptera	Bostrichidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Planococcus kenyae</i>	Homoptera	Pseudococcidae	
<i>Phenacoccus mairerensis</i>	Homoptera	Pseudococcidae	l,sh
<i>Planococcus citri</i> (Risso)	Homoptera	Pseudococcidae	tu
<i>Dysmycoccus brevipes</i> (Ckll.)	Homoptera	Pseudococcidae	
<i>Aspidiotus destructor</i>	Hemiptera	Diaspididae	

**Sweet Potato (*Ipomoea batatas* Poir.)**

<i>Acraea acerata</i> Hew	Lepidoptera	Nymphalidae	
<i>Acraea egina</i>	Lepidoptera	Nymphalidae	
<i>Bemisia tabaci</i> (Gennadius)	Homoptera	Aleyrodidae	l
<i>Cylas bunneus</i> F.	Coleoptera	Apionidae	Brentidae
<i>Cylas puncticollis</i>	Coleoptera	Apionidae	
<i>Cylas formicarius</i> F.	Coleoptera	Apionidae	
<i>Macrotermes</i> spp.	Isoptera	Termitidae	
<i>Spodoptera frugiperda</i>	Lepidoptera	Noctuidae	

**Stored Potato pest**

<i>Cylas bunneus</i> F.	Coleoptera	Apionidae	Brentidae
<i>Cylas puncticollis</i>	Coleoptera	Apionidae	
<i>Cylas formicarius</i> F.	Coleoptera	Apionidae	
<i>Dysmycoccus brevipes</i> (Ckll.)	Homoptera	Pseudococcidae	

Key

l = leaf r = root s = stem tu = tuber

**FIBRES**

**Cotton (*Gossypium* spp.)**

<u>Organism)</u>	<u>Order</u>	<u>Family</u>	<u>Stage of Plant</u>
<i>Aphis craccivora</i> (Koch)	Homoptera	Aphididae	l,p

<i>Apate monachus</i> F.	Coleoptera	Bostrichidae	s
<i>Aphis gossypii</i> (Glover)	Homoptera	Aphididae	l
<i>Argyroploce leucotreta</i> Meyr	Lepidoptera	Olethreutidae	b
<i>Aspavia albidomaculata</i> Stal	Heteroptera	Pentatomidae	b
<i>Aspavia armigera</i> (F.)	Heteroptera	Pentatomidae	b
<i>Bemisia tabaci</i> (Whitefly)	Hemiptera	Aleyrodidae	l, fl
<i>Diparopsis watersi</i> (Roths.)	Lepidoptera	Noctuidae	b
<i>Diplognatha gagates</i> (Forst.)	Coleoptera	Cetoniidae	b
<i>Dysdercus intermedius</i> Dist.	Heteroptera	Pyrrhocoridae	b
<i>Dysdercus melanoderes</i> Karsch	Heteroptera	Pyrrhocoridae	b
<i>Dysdercus nigrofasciatus</i> Stal	Heteroptera	Pyrrhocoridae	b
<i>Dysdercus supersticiosus</i> (F.)	Heteroptera	Pyrrhococridae	b
<i>Earias biplaga</i> (wlk.)	Lepidoptera	Noctuidae	b,sh
<i>Earias insulana</i> Boisd.	Lepidoptera	Noctuidae	b,sh
<i>Empoasca fascialis</i> Jacob	Homoptera	Cicadelidae	l
<i>Ferrisia virgata</i> (Ckll.)	Homoptera	Pseudococcidae	
<i>Helicoverpa armigera</i> (Hubs.)	Lepidoptera	Noctuidae	
<i>Nezara viridula</i> (L.)	Heteroptera	Pentatomidae	b
<b><i>Phenacoccus solenopsis</i></b>	<b>Hemiptera</b>	<b>Pseudococcidae</b>	<b>l,sh</b>
<b><i>Planococcus citri</i></b>	<b>Hemiptera</b>	<b>Pseudococcidae</b>	
<i>Podagarica uniformis</i> (Jac.)	Coleoptera	Halticidae	l
<b><i>Spodoptera exigua</i></b>	<b>Lepidoptera</b>	<b>Noctuidae</b>	<b>l</b>
<b><i>Spodoptera frugiperda</i></b>	<b>Lepidoptera</b>	<b>Noctuidae</b>	<b>l</b>
<i>Spodoptera littoralis</i> (F.)	Lepidoptera	Noctuidae	l,sh
<b><i>Tetranychus cinnabarinus</i></b>	<b>Acarina</b>	<b>Tetranychidae</b>	<b>l</b>
<b><i>Thrips tabaci</i></b>	<b>Thysanoptera</b>	<b>Thripidae</b>	
<b>Stored Cotton Pests</b>			
<i>Carpophilus dimidiatus</i> (F.)	Coleoptera	Nitidulidae	
<i>Tribolium castaneum</i> (Hbst.)	Coleoptera	Tenebrionidae	
<i>Tribolium confusum</i> (Hbst.)	Coleoptera	Tenebrionidae	