

Introduced insects in Galapagos

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Notes

Islands: Bal, Baltra; Bar, Bartholome; Caa, Caamano; Cam, Campeon; Dap, Daphne Major; Esp, Espanola; Fer, Fernandina; Flo, Floreana; Gen, Genovesa; Isa, Isabela; Mar, Marchena; Pla, Plaza; Pon, Pinzon; Pta, Pinta; Rab, Rabida; SCl, San Cristobal; SCz, Santa Cruz; Sey, Seymour Norte; Sfe, Santa Fe; Sgo, Santiago; Wol, Wolf.

a Common names from the Entomological Society of America (ESA 1989).

b Based on the biology and habitat preferences of adults and immatures.

c Year of first collection of species from Galapagos or first publication of it if collection date not given.

d Denotes species known to be migratory.

Table 1. Insect species known from the Galapagos that were probably or certainly introduced

Scientific name and Common name a	Probable mode of Introduction of the species b	First record c	Known on island (see notes)
Diplura (bristle-tails)			
Japygidae			
Parajapyx isabellae (Grassi)	In soil	1964	SCz
Thysanura (silverfish)			
Nicoletiidae			
Nicoletia meinerti Silvestri	In soil	1964	Isa, SCz
Orthoptera (katydids and crickets)			
Tettigoniidae			
Copiphora brevicauda Karny	On ships (or plants)	1989	Isa, SCl, SCz
Gryllidae			
Anaxipha (peruviana Saussure ?)	On ships (or plants)	1970	Flo, Isa, SCl, SCz, Sgo
Grylloides sigillatus (Walker), decorated cricket	On ships (or plants)	1989	Gen, SCz, SCl
Hygronemobius sp.	In plant debris?	1996	SCz
Blattodea (cockroaches)			
Blattidae			
Periplaneta americana (L.), American cockroach	In goods on ships	1877	Flo, Gen, Isa, SCl, SCz

<i>P. australasiae</i> (F.), Australian cockroach	In goods on ships	1889	Flo, Isa, SCl, SCz
<i>P. brunnea</i> Burmeister, brown cockroach	In goods on ships	1920	SCl
Blattellidae			
<i>Anaplecta lateralis</i> (Burmeister)	In goods on ships	1991	SCz
<i>Blattella germanica</i> (L.), German cockroach	In goods on ships	1920	Esp, SCz
<i>Symploce pallens</i> (Stephens)	In goods on ships	1916	on 12 islands
Blaberidae			
<i>Blaberus parabolicus</i> Walker	In goods on ships	1989	SCl, SCz
<i>Nauphoeta cinerea</i> (Olivier), cinereous cockroach	In goods on ships	1893	Flo, SCl
<i>Phoetalia pallida</i> (Brunner)	In goods on ships	1920	SCl
<i>Pycnoscelus surinamensis</i> (L.), Surinam cockroach	In goods on ships	1877	on 9 islands
<i>Rhyparobia maderae</i> (F.), Madeira cockroach	In goods on ships	1989	SCl
Dermaptera (earwigs)			
Carcinophoridae			
<i>Euborellia annulipes</i> (Lucas), ringlegged earwig	In soil	1901	Flo, Isa, SCl, SCz, Sgo
Labiidae			
<i>Circolabia arcuata</i> (Scudder)	In soil	1964	Flo, SCl, SCz
<i>Labia annulata</i> (F.) In soil	1991	SCl	
<i>Labia curvicauda</i> (Motschoulsky)	In soil	1991	SCz
Embiidina (web-spinners)			
Oligotomidae			
<i>Oligotoma saundersii</i> (Westwood)	On plants	1991	SCz
Psocoptera (bark lice)			
Lepidopsocidae			
<i>Echmepteryx madagascariensis</i> Kolbe	On plants	1967	Flo, Isa, SCz
Psoquillidae			
<i>Psoquilla marginepunctata</i> Hagen	Stored products	1967	SCz
Liposcelidae			
<i>Embidopsocus pauliani</i> Badonnel	Stored products	1967	SCl
Caeciliidae			
<i>Caecilius insularum</i> Mockford	On plants	1967	Isa, SCz, Sgo
Lachesillidae			
<i>Lachesilla aethiopica</i> Enderlein	On plants	1967	Flo, SCz, Sgo
Ectopsocidae			
<i>Ectopsocus maindroni</i> Badonnel	In stored products	1967	Gen, Isa, SCl, SCz
<i>E. meridionalis</i> Ribaga	On plants	1967	Isa, Pta, SCz, Sgo
<i>E. richardsi</i> Pearman	In stored products	1967	SCz

Peripsocidae			
Peripsocus pauliani Badonnel	On plants	1967	On 14 islands
P. stagnivagus Chapman	On plants	1967	On 13 islands
Pseudocaecillidae			
Pseudocaecilius criniger Perkins	In stored products ?	1967	Esp, Flo, Isa, Pon, SCz, Sgo
P. tahitiensis Karny	In stored products ?	1967	Isa, Rab, SCl, SCz, Sgo, Sey
Archipsocidae			
Archipsocus spinosus Thornton	In stored products ?	1967	Isa, Pta, SCl, SCz, SFe, Tor
Phthiraptera (lice)			
Polyplacidae			
Polyplax spinulosa (Burmeister)	On rats	1923	Flo
Thysanoptera (thrips)			
Merothripidae			
Merothrips morgani Hood	On plants	1989Isa,	SCz
Thripidae			
Franklinella rodeos Moulton	On plants	1989	SCz, Pon
Heliothrips haemorrhoidalis (Bouché), greenhouse thrips	On plants	1989	Isa, Pon, SCl, SCz, Sgo
Scolothrips pallidus Beach	On plants	1989	SCz
Thrips sp.	On plants	1989	SCz
Phlaeothripidae			
Haplothrips gowdeyi Franklin, black flower thrips	On plants	1989	Fer, Flo, Gen, Isa, Pon, Rab, SCz
Karyothrips, near longiceps (Hood)	On plants	1989	SCz, Sgo
Strepterothrips floridanus Hood	On plants	1989	Fer, Flo, Isa, Pon, SCl
Hemiptera (true bugs)			
Miridae, plant bugs			
Engytatus modesta (Distant)	On plants	1991	Fer, Flo, Isa, Pon, SCz, Sgo
Horcias lacteiclavus Distant	On plants	1964	SCz
Stenaridea vulgaris (Distant)	On plants	1992	Fer, Isa, SCz, Sgo
Taylorilygus pallididulus Blanchard	On plants	1964	SCl, SCz
Tyththus parviceps (Reuter)	On plants	1970	SCz
Cimicidae			
Cimex lectularis L., bed bug	On bedding	1925	Flo
Anthocoridae, minute pirate bugs			
Alofa sodalis (White)	On plants	1964	SCz
Amphiareus constricta (Stål)	On plants	1964	SCz
Lygaeidae			
Prytanus confusus (Barber)	On plants?	1989	SCz

Pyrrhocoridae, cotton stainer bugs			
Dysdercus concinnus Stål	On plants	1925	SCz
D. lunulatus Uhler	On plants	1964	SCI
Reduviidae			
Barce fraterna (Say)	On plants	1996	SCz
Rasahus hamatus (F.)	On plants	1989	Esp, Flo, Isa, SCI, SCz
Tagalis seminigra Champion	On plants	1995	SCz
Pentatomidae, stink bugs			
Alcaeorrhynchus grandis (Dallas)	On plants	1934	Flo
Loxa viridis (Palisot de Beauvois)			
Aleyrodidae, whiteflies			
"Aleyrodes sp"	On plants	1989	Isa, SCz, Sgo
Cicadellidae, leaf-hoppers			
Agallia sp	.On plants	1989	Fer, Isa, SCz, Sgo
Balclutha aridula Linnavuori	On plants	1989	Fer, Isa, Rab, Sgo
B. incisa (Matsumura)	On plants	1990	Fer, SCz
B. lucida (Butler)	On plants	1989	On 8 islands
B. neglecta (DeLong & Davidson)	On plants	1989	Fer, Isa, Pin
Circulifer tenellus (Baker)	On plants	1989	on 13 islands
Coelidiana sp.	On plants	1990	Isa, SCz
Empoasca canavalia DeLong	On plants	1989	On 10 islands
Macrosteles fascifrons (Stål)	On plants	1989	Isa, SCz, Sgo, SCI
Sanctus discalis (Van Duzee)	On plants	1933	Fer, Flo, Mar, Pta, Sgo
Scaphytopius obliquus (Walker)	On plants	1995	Fer, Isa, Pin, SCI, SCz, Sgo
Xestocephalus desertorum (Berg)	On plants	1989	On 9 islands
Delphacidae, plant hoppers			
Caenodelphax teapae Fowler	On plants	1964	SCz
Peregrinnus maidis (Ashmead)	On plants	1964	SCz
Sogatella kolophon Kirkaldy	On plants	1964	SCI, SCz
Syndelphax dissipatus Muir	On plants	1964	SCz
Aphididae (s.latu.), aphids			
Acyrtosiphon bidenticola Smith	On plants	1991	Fer, SCz
Aphis coreopsidis (Thomas)	On plants	1991	Fer, Isa, SCz, Sgo
A. craccivora Koch, cowpea aphid	On plants	1991	Fer, Isa, SCz, Sgo
A. gossypii Glover, cotton aphid	On plants	1991	Fer, Isa, Mar, SCz, Sgo
A. nerii Boyer de Fonscolombe, oleander aphid	On plants	1991	Fer, Isa, Pta, SCz, Sgo
A. spiraeicola Schouteden, green citrus aphid	On plants	1991	Esp, Fer, Isa, SCz, Sgo

Aulacorthum circumfleuxum (Buckton)	On plants	1992	Isa
A. solani (Kaltenbach)	On plants	1991	SCz
Cerataphis sp.	On plants	1991	Sgo
Hysteroneura setariae (Thomas)	On plants	1991	On 8 islands
Myzus persicae (Sulzer), green peach aphid	On plants	1991	Fer, SCz
Pentalonia nigronervosa Coquerel, banana aphid	On plants	1991	SCz
Rhopalosiphum maidis (Fitch), corn leaf aphid	On plants	1991	Isa, SCz, Sgo
R. rufiabdominale (Sasaki)	On plants	1991	Isa, SCz
Scale Insects			
Margarodidae			
Icerya purchasi Mashell, the cottony cushion scale	On plants	1983	Bal, Flo, Isa, SCl, SCz, Sey, Sgo
Ortheziidae, the ensign scales			
Orthezia insignis Bourne, greenhouse orthesia	On plants	1975	SCl
Pseudococcidae, the mealy bugs			
Ferrisia virgata (Cockerell), striped mealybug	On plants	1975	Bal, Isa, Sgo, SCz
Geococcus coffeae Green	On plants	1975	SCz
Planococcus citri (Risso), citrus mealybug	On plants	1975	SCl, SCz
Coccidae, the scale insects			
Coccus hesperidum L., brown soft scale	On plants	1902	Bal, Isa, Pta, Sey
C. viridis (Green), green scale	On plants	1975	SCz
Parasaissetia nigra (Nieter), nigra scale	On plants	1975	SCz, Pla
Pulvinaria urbicola Cockerell	On plants	1975	Scz
Saissetia coffeae (Walker), hemispherical scale	On plants	1975	Isa, SCl, SCz
S. miranda (Cockerell & Parrott), Mexican black scale	On plants	1975	SCl
S. neglecta DeLotto, Caribbean black scale	On plants	1975	Bar, Pla
Asterolecaniidae, the pit scales			
Asterolecanium pustulans (Cockerell), oleander pit scale	On plants	1975	Isa
A. puteanum Russell	On plants	1975	Isa
Diaspididae, the armored scales			
Aspidiotus destructor Signoret, coconut scale	On plants	1975	SCz
Hemiberlesia lateriae (Signoret), lantana scale	On plants	1975	Bal, Isa, Sgo, SCz, Pta
Howardia biclavata (Comstock), mining scale	On plants	1975	Sgo, SCl, SCz
Melanaspis odontoglossi (Cockerell)	On plants	1902	Isa, Sgo, SCz
Parlatoria crotonis (Douglas)	On plants	1975	SCz
Pseudaulacaspis major (Cockerell)	On plants	1975	Sgo
Selenaspis articulatus (Morgan)	On plants	1975	Sgo, SCl, SCz
Coleoptera (beetles)			

Hydrophilidae, water scavenger beetles

Aculomicrus sp	In debris	1989	Isa
Dactylosternum abdominale F.	In debris	1989	SCz
D. sp.	In debris	1989	Isa

Ptiliidae, feather wing beetles

Acrotrichis discoloroides Johnson	In debris	1989	SCz
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Staphylinidae, rove beetles

Atheta coriaria (Kraatz)	In debris	1985F	lo, Isa, SCl, SCz
Myrmecocephalus cingulatus (Erichson)	In debris	1989	SCl, SCz
Oligota chrysopyga Kraatz	In debris	1985	Isa, SCl, SCz
Phanerota sp	.In debris	1985	SCz
Piestus pygmaeus Laporte	In debris	1985	SCz

Scarabaeidae, scarab beetles

Ataenius gracilis (Melsheimer)	In soil (dung)	1991	SCz
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Dermestidae, dry skin beetles

Dermestes ater DeGeer, black larder beetle	In stored products	1985	on most islands
D. carnivorus F.	In stored products	1899	Dar, Esp, Isa, SCl, SCz
D. maculatus DeGeer, hide beetle	In stored products	1835	On 8 islands

Anobiidae, death-watch beetles

Stegobium paniceum (L.), drugstore beetle	Stored products	1985	SCz
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Bostrichidae, branch and twig borers

Dinoderus minutus (F.), bamboo powderpost beetle	Dry wood	1985	SCz
Lycetus brunneus Stephens	Dry wood	1964	SCz
Minthea rugicollis (Walker)	Dry wood	1985	SCz
Sinoxylon conigerum Gerstäcker	Dry wood	1996	Flo
Trogoxylon sp.	Dry wood	1985	SCz

Cleridae, checkered beetles

Necrobia rufipes DeGeer, redlegged ham beetle	Stored products	1835	On 8 islands
Tarsostenus univittatus (Rossi)	Dry wood ?	1985	SCz

Nitidulidae, sap beetles

Brachypeplus sp.	Fruits ?	1985	SCz, SCl
Carpophilus dimidiatus (F.), corn sap beetle	Stored products ?	1985	Flo, SCl, SCz
Stelidota sp. A	Fruits ?	1985	Isa, Mar, Pta, SCl, SCz, Sgo
Urophorus humeralis (F.), pineapple beetle	Stored products ?	1985	Isa, SCz

Silvanidae, flat bark beetles

Monanus concinalis Walker	Stored products	1985	SCz
Oryzaephilus surinamensis L., sawtoothed grain beetle	Stored products	1985	SCz

Silvanus difficilis Halstead	Stored products	1991	SCz
Laemophloeidae, flat bark beetles			
Cryptolestes klapperichi Lefkovitch	Stored products	1985	Esp, Flo, Gen, Isa, SCI
Laemophloeus suturalis Reitter	Stored products	1985	Scz
Cerylonidae, cerylonid beetles			
Euxestus erithaeus Chevrolat	In detritus or debris	1985	Isa, SCI, SCz, Sgo
Coccinellidae, ladybird beetles			
Coccidophilus sp.	On plants(predator on scales)	1985	Flo, SCz
Lathridiidae, minute brown scavenger beetles			
Adistemia watsoni (Wollaston)	Stored products	1985	sa
Cartodere constricta (Gyllenhal), plaster beetle	Stored products	1985	Flo, Isa, SCI, SCz
Dienerella filum (Aubé)	Stored products	1985	Isa
Mycetophagidae			
Typhaea stercorea L., hairy fungus beetle	Stored products	1989	Isa, Rab, SCz
Tenebrionidae, darkling beetles			
Alphitobius laevigatus (F.), black fungus beetle	Stored products	1904	Flo, Scz
Gnathocerus cornutus (F.), broadhorned flour beetle	Stored products	1899	Flo, Isa, SCz, SFe, Sgo
G. maxillosus (F.), slenderhorned flour beetle	Stored products	1964	Isa, SCz, Sgo, SFe
G. sp.	Stored products	1964	SCz
Lobopoda galapagoensis Linell (?)	In dry (fire?) wood	1898	Fer, Flo, Isa, SCz
Sitophagus hololeptoides (Laporte)	Stored products	1975	Isa, SCz, SFe
Tribolium castaneum Herbst, red flour beetle	Stored products	1964	SCz
Anthicidae, ant like flower beetles			
Omonadus floralis (L.)	In stored products	1989	SCz
Cerambycidae, long-horned wood boring beetles			
Eburia pilosa (Erichson)	construction wood ?;	1964	Isa, SCI, SCz, Sgo
Nesoeme kuscheli Linsley & Chemsak	Construction wood ?; not established	1964	SCz
Bruchidae, seed beetles			
Acanthoscelides obtectus (Say), bean weevil	Stored products	1989	SCz
Amblycerus piurae (Pierce)	Stored products	1927	SCz, Pin
Zabrotes subfasciatus Boheman, Mexican bean weevil	Stored products	1985	SCz
Chrysomelidae, leaf beetles			
Chaetocnema confinis Crotch	On plants	1985	Fer, Isa, SCz, Sgo
Anthribidae, fungus weevils			
Araecerus fasciculatus (DeGeer), coffee bean weevil	Stored products	1985	Flo, Isa, SCI, SCz
Scolytidae, bark beetles			
Coccotrypetes carpophagus (Hornung)	In seeds or nuts	1989	SCI

<i>C. rhizophorae</i> (Hopkins)	In plants or seeds	1985	Isa, SCz
<i>C. dactyliperda</i> (F.)	In seeds or nuts	1991	SCz
<i>Pagiocerus frontalis</i> F.	In seeds or maize	1964	SCz
Curculionidae, weevils			
<i>Caulophilus oryzae</i> (Gyllenhal), broadnosed grain weevil	Stored products	1985	SCz
<i>Eubulus</i> sp.	On plants	1992	SCz
<i>Metamasius hemipterus</i> (L.), West Indian cane weevil	On plants	1985	SCz
<i>Semnorhynchus</i> sp.	On plants	1991	SCI
<i>Sitophilus oryzae</i> (L.), rice weevil	Stored products	1985	Esp, SCz
Lepidoptera (moths)			
Tineidae, clothes moths			
<i>Erechtias minuscula</i> (Walsingham)	Dead plants	1989	Esp, Isa, Mar, SCI, SCz
<i>Trichophaga tapetzella</i> L.	Stored products	1966	Fern, SFe
<i>Xylesthia pruniramiella</i> Clemens	Stored products	1966	On 8 islands
Tortricidae, tortricid moths			
<i>Bactra philocheerda</i> Diakonoff	On plants	1989	SCz, Sgo
<i>Crociosema plebejana</i> Zeller	On plants	1923	Bal, Isa, SCz
<i>Episimus transferranus</i> (Walker)	On plants	1989	Isa
<i>Strepsicrates smithiana</i> (Walsingham)	On plants	1923	Bal
Pterophoridae, plume moths			
<i>Exelastis cervinicolor</i> (Barnes & McDunnough)	On plants	1923	On 11 islands
<i>Exelastis pumilio</i> (Zeller)	On plants	1992	Isa, Rab
<i>Lantanophaga pusillidactyla</i> (Walker), lantana plume moth	On Lantana	1923	Gen, Isa, Mar, SCz
<i>Megalorhipida defectalis</i> (Walker)	On plants	1923	On 10 islands
<i>Stenoptilodes brevipennis</i> (Zeller)	On plants?	1989	Isa, SCz
Hesperiidae, skippers			
<i>Calpodes ethlius</i> (Cramer), the larger canna leaf roller	On <i>Canna edulis</i>	1987	Isa
Lycaenidae, hairstreak and blue butterflies			
<i>Hemiargus ramon</i> (Dognin)	On plants	1995	Bal, Esp, Flo, Isa, SCI, SCz, Sgo
Pyralidae, snout moths			
Phycitinae			
<i>Ancylostomia stercorea</i> (Zeller)	Stored beans	1989	Gen, Isa, Pta, SCz, Sgo
<i>Etiella zinckenella</i> (Treitschke), lima bean pod borer	Stored products	1906	On 9 islands
<i>Fundella argentina</i> Dyar	Stored beans	1965	Isa, SCI, SCz, Sgo
<i>Hypsipyla grandella</i> (Zeller), mahogany shoot borer	On plants (<i>Cedrela</i>)	1960	SCI, SCz
Crambidae, grass moths			
<i>Agathodes designalis</i> Guenée	On plants	1989	Isa, SCz, Sgo

<i>Asciodes gordialis</i> Guenée	On cassava	1906	On 11 islands
<i>Caprinia periusalis</i> Walker, tobacco leaf-folderd	On plants	1989	Isa, Pta, SCl, SCz, Sgo
<i>Diaphania hyalinata</i> (L.), melon borerd	On cucurbits	1932	Bal, Isa, Mar, Pta, SCz
<i>D. indica</i> (Saunders), melon moth	On cucurbits	1964	SCl, SCz
<i>Herpetogramma bipuntalis</i> (F.)d	On plants	1992	Gen, Isa, SCz, Sgo
<i>H. phaeopteralis</i> (Guenée)	On Poaceae	1970	Isa, SCl, SCz, Sgo
<i>Hymenia perspectalis</i> (Hübner)d	On plants	1906	Esp, Isa, Pta, SCl, SCz, Sgo
<i>Lineodes integra</i> (Zeller)	On Solanaceae	1989	Isa, Pta, Sgo
<i>Marasmia trapezalis</i> (Guenée), maize webworm	On Poaceae	1992	Isa, SCz, Sgo
<i>Omiodes indicata</i> (F.)	On plants	1989	Isa, Pta, SCz, Sgo
<i>Penestola bufalis</i> (Guenée)	On plants	1906	On 9 islands
<i>Pilocrocis ramentalis</i> Ledererd	On plants	1899	Isa, SCl, SCz, Sgo
<i>Pyrausta panopealis</i> (Walker)	On plants?	1989	On 9 islands
<i>Samea ecclesialis</i> Guenée	On plants?	1964	Isa, SCl, SCz, Sgo
<i>Sisyracera inabsconsalis</i> (Möschler)	On plants?	1989	Isa, SCl, SCz
<i>Spoladea recurvalis</i> (F.), beet webwormd	On plants	1906	Esp, Flo, Isa, SCl, SCz, Sgo
<i>Syngamia florella</i> (Cramer)	On Rubiaceae	1906	Flo, Gen, Isa, SCl, SCz, Sgo
<i>Terastia meticulosalis</i> Guenée	On Erythrina	1964	Pta, SCz
Geometridae, inchworm moths			
<i>Disclisioprocta stellata</i> (Guenée)d	On plants	1923	On 12 islands
<i>Hydria affirmata</i> (Guenée)	On ships	1969	Isa, SCl, SCz, Sgo
<i>Sphacelodes vulneraria</i> (Hübner)d	On ships	1964	SCz
Noctuidae, owlet moths			
<i>Bagisara repanda</i> (F.)	On Malvaceae	1970	Isa
<i>Eublemma recta</i> (Guenée)	In Convolvulaceae seeds	1975	Gen, Isa, Mar, Pta, SCz, Sgo
<i>Heliocontia margana</i> (F.)	On Malvaceae	1923	On 12 islands
<i>Heliolithis cystiphora</i> (Wallengren)	On Poaceae?	1923	On 14 islands
<i>Paectes arcigera</i> (Guenée)	On Burseraceae	1923	On 16 islands
<i>Ponometia indubitans</i> (Walker)	On Sterculiaceae	1975	Esp, Gen, Isa, SCl, SCz
Diptera (flies)			
Psychodidae, moth flies			
<i>Clogmia albipunctata</i> (Williston)	Rotting plant matter	1985	SCz
<i>Psychoda alabangensis</i> del Rosario	Rotting plant matter	1985	SCz
<i>P. savaiiensis</i> Edwards	Rotting plant matter	1985	Isa, SCl
Culicidae, mosquitos			
<i>Culex pipiens quinquefasciatus</i> Say, southern house mosquito	Larvae in water	1989	SCl, SCz

Simuliidae, black flies			
<i>Simulium bipunctatum</i> Malloch	On plants (aquatic) ?	1989	SCI
Ceratopogonidae, biting midges			
<i>Culicoides pusillus</i> Lutz	Plant debris	1964	SCz
<i>Forcipomyia genualis</i> (Loew)	Plant material	1964	Dar, Flo, Isa, SCz, SFe
Bombyliidae, bee flies			
<i>Mythenteles</i> sp.	Soil ?	1985	On 8 islands
Phoridae, humpbacked flies			
<i>Dohrnophora cornuta</i> Bigot	Soil	1925	Bal, Flo, Isa, SCz, Sgo
<i>Megascelia scalaris</i> (Loew)	Soil	1923	Esp, Flo, Gen, Isa, SCI, SCz
Syrphidae, flower flies			
<i>Ornidia obesa</i> (Fabricius)	Wet soil or semi-liquid waste	1989	Isa, SCI
Tephritidae, fruit flies			
<i>Anastrepha fraterculus</i> (Wiedemann)	Fruits	1989	Cam, Dap, Flo, SCI, SCz
Piophilidae, skipper flies			
<i>Piophilina casei</i> (Linnaeus), cheese skipper	Food products	1835	Flo, SCz
Milichiidae, milichiid flies			
<i>Desmometopa m-nigrum</i> Zetterstedt	Soil or debris	1925	Bal
<i>D. tarsalis</i> Loew	Soil or debris	1983	Not reported
<i>D. varipalpis</i> Malloch	Soil or debris	1983	Isa
Sepsidae, black scavenger flies			
<i>Palaeosepsis armillata</i> (Melander & Spuler)	Debris or dung	1992	Isa
Sphaeroceridae, small dung flies			
<i>Coprica hirtula</i> (Rondani)	Soil or debris	1964	Fer, SCz, Wol
Drosophilidae, vinegar flies			
<i>Drosophila</i> (D.) <i>hydei</i> Sturtevant	Fruits	1977	Isa, SCz
<i>D. (D.) immigrans</i> Sturtevant	Fruits	1925	Flo, Sgo
<i>D. (D.) repleta</i> Wollaston	Fruits	1977	SCz
<i>D. (Scaptodrosophila) latifasciaeformis</i> Duda	fruits	1977	SCz
<i>D. (Scophophora) ananassae</i> Doleschale	Fruits	1977	SCz
<i>D. (S.) simulans</i> Sturtevant	Fruits	1948	Bal, Isa, SCI, SCz
<i>Gitona braziliensis</i> Lima	On citrus plants (parasitoid on scales)	1948	SCz
Ephydriidae, shore flies			
<i>Clasiopella uncinata</i> Hendel	Saline soil or mangrove debris	1989	SCz
<i>Hecamede brasiliensis</i> Cresson	Saline soil or mangrove debris	1989	Flo, Isa
Fanniidae			
<i>Fannia canicularis</i> (L.), little house fly	Manure or soil	1899	Isa

Fannia pusio (Wiedemann), chicken dung fly	Manure or soil	1932	Flo, Isa, SCl, SCz, SFe
Muscidae, house flies, and so on.			
Atherigona orientalis Schiner	Soil or fruits	1899	Esp, Flo, SCl, SCz
Hydrotaea aenescens (Weidemann)	Spoiled food	1899	Bal, Fer, Flo, Isa, SCz
Musca domestica L., house fly	Spoiled food	1925	Bal, Flo, Isa, SCl, SCz
Stomoxys calcitrans (L.), stable fly	Cattle manure	1925	Bal, Flo, Isa, SCl, SCz
Synthesiomyia nudiseta (Wulp)	Spoiled food	1925	Flo, Isa, Rab, SFe, SCz
Calliphoridae, blow flies			
Chrysomya albiceps (Wiedemann)	Spoiled food	198	Esp, Flo, Isa, SCl, SCz, SFe
C. megacephala (F.)	Spoiled food	1989	Caa, Isa, SCz
Cochliomyia macellaria (F.), secondary screw worm	Livestock	1835	Esp, Flo, Isa, Pon, SCl, SCz, SFe
Sarcophagidae, flesh flies			
Blaesoxipha plinthopyga (Wiedemann)	Manure or soil	1905	Flo, SCl, SCz, SFe
Siphonaptera (fleas)			
Tungidae			
Tunga penetrans L., chigoe fleas	In pigs	1947	Flo, Sgo
Pulcidae			
Ctenocephalides felis (Bouché), cat flea	On cats	1989	SCz, Sgo
Pulex (irritans Linnaeus ?), human flea	On dogs	1989	Sgo
Hymenoptera (wasps and ants)			
Ichneumonidae, ichneumon wasps			
Diplazon laetatorius F.	Parasitoid in insects	1985	Isa
Venturia canescens Gravenhorst	Parasitoid in insects	1985	SCz
Aphelinidae			
Aphytis acutaspidis Rosen and DeBach	Parasitoids of hard scales	1991	Rab, Sgo
Archenomus imitatrix (Fullaway)	Parasitoids of whiteflies	1991	Fer, Isa, SCz
Centrodora mireyae (DeSantis)	Parasitoids of eggs	1991	SCz
C. perkinsi (Waterston)	Parasitoids of eggs	1991	Fer, Isa, SCz
Coccophagus rusti Compere	Parasitoids of soft scales	1991	sa, SCz, Sgo
Encarsia diaspidicola (Silvestri)	Parasitoids of hard scales	1991	Esp
Encarsia citrina Crawford	Parasitoids of hard scales	1991	Sgo
Encarsia pergandiella Howard	Parasitoids of whiteflies	1991I	sa, Rab, SCz, Sgo
Eucharitidae			
Orosema costaricensis W and W	As eggs on bananas	1991	SCz
Chalcididae, chalcidoid wasps			
Brachymeria podagrica F.	Parasitoid of fly pupae	1991	Flo, Isa, SCz, SCl, Sfe
Conura femorata Walker	Parasitoid of lepidoptera pupae	1991	Isa, San, SCz, Sgo

Pteromalidae

Spalangia cameroni Perkins	Parasitoids of fly pupae	1991	Isa, SCz, Sgo
S. drosophila (Ashmead)	Parasitoids of insect pupae	1991	Scz, Pon
S. endius Walker	Parasitoids of fly pupae	1839	sa [?James = type locality]

Encyrtidae, chalcidoid wasps

Apoanagyrus trinidadensis Kerrich	Parasitoid in mealybugs	1991	Isa, SCz
Cheiloneurus elegans elegantissimus DeSantis	Parasitoids of mealybugs	1991	Isa, Pon

Evaniidae, ensign wasps

Evania appendigaster L.	Parasitoid of cockroach eggs	1989	Scz
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Scelionidae

Macrotelia absona	Parasitoids of orthoptera eggs	1991	Isa, SCz
Trissolcus teretis Johnson	Parasitoids of lepidoptera eggs	1991	Isa, Sgo

Formicidae, ants

Monomorium floricola Jerdon	On plants or soil	1924	Flo, Gen
M. pharaonis L., pharaoh ant	On plants or soil	1985	Pta, SCz
Solenopsis geminata (F.), fire ant	On plants or soil	1906	Flo
S. globularia (F. Smith)	On plants or soil	1906	Gen, Isa, Dap, SCz
S. saevissima (F. Smith)	On plants or soil	1985	SCz
Tapinoma melanocephalum F.	On plants	1985	Flo, Sgo
Wasmannia auropunctata Roger, little red fire ant	On plants	1905	On many islands

Vespidae, wasps

Polistes v. versicolor (Olivier)	With fruits on ships	1988	On most islands
Brachygaster lecheguana (Latreille)	With fruits on ships?	1994	Scz

From: S.B. Peck, J. Heraty, B. Landry, B.J. Sinclair. 1998. The introduced insect fauna of an oceanic archipelago: The Galapagos Islands, Ecuador. American Entomologist: 44: 218-237.

Notes

Islands: Bal, Baltra; Bar, Bartholome; Caa, Caamano; Cam, Campeon; Dap, Daphne Major; Esp, Espanola; Fer, Fernandina; Flo, Floreana; Gen, Genovesa; Isa, Isabela; Mar, Marchena; Pla, Plaza; Pon, Pinzon; Pta, Pinta; Rab, Rabida; SCL, San Cristobal; SCz, Santa Cruz; Sey, Seymour Norte; Sfe, Santa Fe; Sgo, Santiago; Wol, Wolf.

a Common names from the Entomological Society of America (ESA 1989).

b Based on the biology and habitat preferences of adults and immatures.

c Year of first collection of species from Galapagos or first publication of it if collection date not given.

d Denotes species known to be migratory.