

A checklist of Indonesian scale insects (Hemiptera: Coccoomorpha)

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Abstract

Scale insects (Hemiptera: Sternorrhyncha: Coccoomorpha) are a very important insect group containing numerous pests of woody and herbaceous plants worldwide. The only complete study of any scale insects in Indonesia was by D.J. Williams on the mealybugs (family Pseudococcidae), published in 2004; the other scale insect families have only been documented in various small publications. Here we provide a complete checklist of the scale insects of Indonesia, which now contains 3543 species belonging to 1254 genera in 124 families. The family Diaspididae is the most diverse, with 113 species in 43 genera, followed by Pseudococcidae with 103 species in 31 genera, and Coccidae with 65 species in 22 genera. The other families covered are: Monophlebidae (267 species in 8 genera), Rhizoecidae (13 species in 6 genera), Asterolecaniidae (11 species in 5 genera), Leconodiaspididae (7 species in 3 genera), Cerococcidae (5 species in 3 genera), Ortheziidae (4 species in 2 genera), Eriococcidae (4 species in 2 genera), Aclerdidae (2 species, 1 genus), and Kermesidae (1 species, 1 genus).

Key words: alien species, Coccoidea, Indonesia, Sternorrhyncha, systematic list,

Introduction

Indonesia is the largest archipelago country in the world, consisting of about 17,504 Is spread across 1,910,931 km² (CBD Secretariat 2021). As one of the twelve “mega-diverse countries”, Indonesian biodiversity has mostly been measured for higher plants, exotic tropical fruits, vertebrates, and invertebrates including insects (McNeely *et al.* 1990). Indonesian flora diversity represents 10% of the world’s flowering plants, estimated at 25,000 species of which about 55% are indigenous. For faunal diversity, Indonesia has 12% of the world’s mammals, about 515 species, 16% of the world’s reptiles (781 species), and 35 species of primate. Further, 17% of the world’s birds (about 1,592 species) and 270 species of amphibians live in Indonesia (CBD Secretariat 2021). Its high species diversity is the result of an unique geological and evolutionary history combined with the wide variety of habitats associated with over 17,000 Is, large and small (Arifin & Nakagoshi 2011).

Comment [GW1]: Use the Distribution search on ScaleNet <http://scalenet.info/scalesplace/Indonesia/> and the master list accessible from that page – it lists 366 species in 16 families in Indonesia! Once you have made corrections to your table, please check all these figures again and make sure they are accurate.

The documentation of insect species in Indonesia first started in the British, Dutch and Japan colonial eras, respectively, resulting in the description of many Indonesian native species as new to science. ~~After~~ Later, Dammerman (1929) described many species in ~~the~~ *The agricultural zoology of the Malay Archipelago*, and Wirjati (1958; 1959) published small papers on Indonesian scale insects. Kalshoven (1981) published a monumental textbook, ~~entitled~~ *Pests of Crops in Indonesia*, that listed almost all the pest insect species living in Indonesia, including scale insect pests (Hemiptera: Sternorrhyncha; Coccothorax). Although listing of the Indonesian insect fauna was started by foreign scientists a long time ago, it is still incomplete. In the last five years, more than a hundred new insect species were identified in Indonesia (Riedel & Narakusumo 2019). The geographic dimension of Indonesian biodiversity, particularly species endemism across geographical gradients, is not well accounted for. There are many new species and new distribution records that have not been investigated yet.

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For Indonesia, the only comprehensive review made of any scale insect family is for the mealybugs (family Pseudococcidae *sensu lato*), which were documented in the large monograph for ~~the region of~~ southern Asia by Williams (2004). The monograph described 354 species in 62 genera of Pseudococcidae *sensu lato*, including all the valid species names recorded from Indonesia. ~~Other~~ Further small contributions on the scale insect fauna of Indonesia have been made by ~~Reyne (1954; 1957; 1961; 1965)~~ Muniappan *et al.* (1999; 2011; 2012), Sartiami *et al.* (2016), Gavrilov-Zimin (2012; 2013; 2016; 2017; 2018a, b; 2019; 2020; 2021) and Zarkani *et al.* (2020), which recorded ~~several~~ several dozens??? additions to the fauna. To date, the documentation of scale insect species has been continued sporadically and incompletely (as for most other countries in the world!).

Most slide mounts of scale insects from Indonesia in major world museums were collected from Java Island. However, the scale insect fauna of the other large Is like Kalimantan, New Guinea, Sulawesi and Sumatra are only fragmentarily represented in these collections. In addition, the scale insects of most of the numerous small Indonesian islands have never been studied. Here we have explored the literature and listed the scale insect species recorded living in Indonesia to date.

Materials and methods

In this study, the scale insect taxa recorded from Indonesia and their distributions have been listed and arranged as a systematic catalog in alphabetical order, taking into account recent taxonomic changes. The species listed are based on the published literature. Species recorded as plant quarantine interceptions are indicated with a plus mark (+), whilst species native to Indonesia according to Williams (2014) ~~What is this? I do not know such work and it is absent in the References below~~ and García Morales *et al.* (2016) ~~why not according to the original publications listed in the References?~~ are indicated by an asterisk (*) after the species name. Furthermore, the unknown locations of species that were first found in Indonesia are indicated with a question mark (?). In cases where no information was given about the species, this is indicated by a dash (-). The distribution information for the species is given according to the ~~following large Indonesian islands: five largest Is in Indonesia; namely~~ Sumatra, Java, Kalimantan, Sulawesi, Irian Jaya (part of New Guinea), Bali and Flores. ~~You have listed seven, not five islands; Bali and Flores are smaller than Timor, Halmahera and Seram.~~

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There is an ambiguity here concerning Borneo (=Kalimantan). Some species, described/recorded by Gavrilov-Zimin from Malaysian Borneo (Sabah) were included in the tables below, but some others were not included. For example, *Buchnericoccus reynei* Gavrilov-Zimin, 2018, known only from the type locality in Malaysian Borneo (Sabah) is present below in the table, but *Iderya oculicicatricata* Gavrilov-Zimin, 2018, described from the same locality is not present, etc.

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Eremostoma klugei Gavrilov-Zimin, 2018 (from Java) and *Crambostoma largecicatricosum* Gavrilov-Zimin, 2018 (from Malaysian Borneo) are absent in the table, as well as the appropriate higher taxon, where both these genera were described: family Margarodidae: subfamily Callipappinae. The ScaleNet consider these in the “family Coelostomiidae”, but there is no any scientific publication with the arguments of this change: it is simply an unscientific voluntaristic activity of anonymous person in ScaleNet.

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Result and discussion

In this study, we update the list of Coccomorpha for Indonesia, which now contains 3543 species belonging to 1254 genera in 124 families (2 missed species from Acleridae and one recent objective synonym from Monophlebinae). The number of species in Indonesia has increased slowly in the last 16 years, by 543 species (one-sixth of the previous list). Although the species listed mostly have an Indo-Malayan distribution, 111 are regarded as cosmopolitan species. The family Diaspididae is the most diverse, with 113 species in 43 genera, followed by Pseudococcidae with 103 species in 31 genera, and Coccidae with 65 species in 22 genera. The other families covered are: Monophlebidae (267 species in 108 genera), Rhizoecidae (13 species in 6 genera), Asterolecaniidae (11 species in 5 genera), Leconodiaspididae (7 species in 3 genera), Cerococcidae (5 species in 3 genera), Ortheziidae (4 species in 2 genera), Eriococcidae (4 species in 2 genera), Acleridae (24 species, 1 genus) and Kermesidae (1 species, 1 genus) (Table 1). The family Acleridae was missed by the authors. At least, *Aclerda pseudozoysyae* and *A. takahashii* were described/recorded from Indonesia (see Gavrilov-Zimin, 2012).

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Comment [GW5]: Families also missing: Coelostomatiidae, Halimococcidae, Kerriidae and Xenococcidae

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Study of the checklist revealed that about 108 of the scale insect species are endemic to Indonesia. This reflects Indonesia's biodiversity, which has a large number of indigenous medicinal plants, flowering plants, mammals, reptiles and birds (CBD Secretariat 2021). In terms of Indonesian insect diversity, however, this biodiversity has not been clearly stated. The high species richness of both flora and fauna in Indonesia is affected by the geographical location of the Is, astride major sea lanes connecting East Asia, South Asia and Oceania, with altitudes between 0 and 5000 meters above sea level. Indonesia is also split by the equator; almost all of it has a tropical climate classified as Af, a hot, humid climate with the minimum and maximum temperatures averaging 23–28°C and a relative humidity of 70–90%. As a transcontinental country, Indonesia consists of Is geologically considered as part of either Asia or Australia. At the beginning of the last ice age (around 20,000–10,000 years ago), the western part of Indonesia (including Bali, Java, Kalimantan and Sumatra) merged with the Asian continent, while the eastern part of Indonesia (the Sahul Plain) was integrated with the Australian continent (Lohman *et al.* 2011).

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Acknowledgments

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Table 1. A checklist of scale insect species of Indonesia. Symbols used: intercepted insect species (+); native scale insects species (*); unknown locations (?); and no information available (-). The distribution information is based on the **five largest islands** in Indonesia: Sumatra, Java, Kalimantan, Sulawesi, Irian Jaya (part of New Guinea), Bali and Flores. Seven islands; Bali and Flores are not largest

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Taxon	Host plant	World distribution	Distribution in Indonesia
ASTEROLECANIIDAE Cockerell			
<i>Asterolecanium</i> Targioni Tozzetti			
<i>Asterolecanium borneense</i> Russell*	<i>Lithocarpus nieuwenhuisii</i>	Indonesia	Kalimantan (Russell 1941)
<i>Asterolecanium garciniae</i> Russell*	<i>Garcinia mangostana</i>	Indonesia	Java (Russell 1941)
<i>Asterolecanium javae</i> Russell*	<i>Ficus ampelas</i> , <i>F. montana</i>	Indonesia	Java (Russell 1941)
<i>Asterolecanium litseae</i> Kuwana	<i>Litsea caulocarpa</i> , <i>L. luzonica</i> , <i>Neolitsea sericea</i> , <i>Psychotria arborescens</i>	Indonesia, Japan, Malaysia, Philippines	? (Kuwana 1916)
<i>Asterolecanium unguatum</i> Russell	<i>Durio zibethinus</i>	Indonesia, Singapore	Java (Russell 1941)
Bambusaspid Cockerell			
<i>Bambusaspid amboinae</i> (Russell)*	<i>Neololeba atra</i>	Indonesia	Maluku (Russell 1941)
<i>Bambusaspid bambusae</i> (Boisduval)	<i>Acalypha</i> sp., <i>A. wilkesiana</i> , <i>Dianthus</i> sp., <i>Diospyros</i> sp., Orchidaceae, <i>Persea americana</i> , <i>Platyclusus orientalis</i> , Poaceae	Cosmopolitan, in 74 countries	Sumatra (Gavrilov-Zimin 2019)
Hyalococcus Russell			
<i>Hyalococcus striatus</i> (Russell)	<i>Citrus</i> sp.	Indonesia, Singapore	Java (Russell 1941)
Pauroaspis Tang			
<i>Pauroaspis daedalea</i> Gavrilov	<i>Bambusa</i> sp.	Indonesia, Thailand	Irian Jaya, Sumatra (Gavrilov-Zimin 2013; 2019)
Russellaspis Bodenheimer			
<i>Russellaspis pustulans pustulans</i> (Cockerell)	Polyphagous on ornamentals and fruits in 67 families and 156 genera	Cosmopolitan, in 75 countries	Irian Jaya (Williams & Watson 1990)
<i>Russellaspis sumatrae</i> (Russell)*	<i>Lithocarpus hystrix</i>	Indonesia	Sumatra (Russell 1941)
CEROCOCCIDAE Balachowsky			
Antecerooccus Green			

<i>Antecerooccus albospicatus</i> (Green)	<i>Camellia</i> sp., <i>Symplocos</i> sp., <i>S. obtusa</i>	Indonesia, Sri Lanka	Java (Lambdin & Kosztarab 1977)
<i>Antecerooccus ornatus</i> (Green)	<i>Canthium coromandelicum</i> , <i>Carissa</i> sp., <i>Ca. carandas</i> , <i>Coffea arabica</i> , <i>Co. canephora</i> , <i>Dovyalis caffra</i> , <i>Ixora coccinea</i> , <i>Psychotria</i> sp., <i>P. elliptica</i>	India, Pakistan, Singapore, South Africa, Sri Lanka, Taiwan	? (Hua 2000)
<i>Cerochiton</i> Balachowsky			
<i>Cerochiton bernardi</i> Hodgson & Williams*	<i>Theaceae</i> sp.	Indonesia	Java (Hodgson & Williams 2016)
<i>Cerochiton javanensis</i> (Lambdin & Kosztarab)*	<i>Grewia ferruginea</i>	Indonesia	Java (Lambdin & Kosztarab 1977)
<i>Cerococcus</i> Maskell			
<i>Cerococcus indonesiensis</i> Lambdin & Kosztarab*	<i>Piper nigrum</i>	Indonesia	? (Lambdin & Kosztarab 1977)
COCCIDAE Fallèn			
<i>Ceroplastes</i> Gray			
<i>Ceroplastes actiniformis</i> Green	Polyphagous on ornamentals and fruits in 13 families and 17 genera	Brazil, Canary Is, China, Egypt, Hong Kong, India, Indonesia, Israel, Sri Lanka	Java (Green 1930; Ali 1971), Sumatra (Ali 1971)
<i>Ceroplastes ceriferus</i> (Fabricius)	Polyphagous on ornamentals and fruits	Cosmopolitan, in 45 countries	? (Beardsley 1986; Williams & Miller 2010)
<i>Ceroplastes cirripediformis</i> Comstock	Polyphagous on ornamentals and fruits in 65 families and 132 genera	Cosmopolitan, in 32 countries	Java (Green 1904)
<i>Ceroplastes floridensis</i> Comstock	Polyphagous on ornamentals and fruits in 67 families and 153 genera	Cosmopolitan, in 71 countries	Irian Jaya (Ben-Dov 1993), Java (Green 1904; Mamet 1943), Sulawesi (CABI 2019)
<i>Ceroplastes magnificus</i> (Green)*	<i>Mangifera odorata</i> , <i>Syzygium aqueum</i>	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Ceroplastes rubens</i> Maskell	Polyphagous on ornamentals and fruits in 82 families and 186 genera	Cosmopolitan, in 47 countries	Java (Hamon & Williams 1984)

<i>Ceroplastes rusci</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 46 families and 74 genera	Cosmopolitan, in 57 countries	Irian Jaya (Ben-Dov 1993)
<i>Ceroplastes sinensis</i> Del Guercio	Polyphagous on ornamentals and fruits in 82 families and 186 genera	Cosmopolitan, in 47 countries	Sulawesi (Gavrilov-Zimin 2013)
<i>Ceroplastes stellifer</i> (Westwood)	Polyphagous on ornamentals and fruits in 22 families and 44 genera	Cosmopolitan, in 58 countries	Irian Jaya (Kalshoven 1981)
<i>Ceroplastes sumatrensis</i> Reyne*	Dicotyledonous shrub or tree	Indonesia	Sumatra (Ali 1971)
Coccus Linnaeus			
<i>Coccus caviramicolus</i> Morrison	<i>Macaranga</i> sp., <i>M. bancana</i> , <i>M. griffithiana</i>	Indonesia Malaysia and Singapore	? (Ben-Dov 1993)
<i>Coccus celatus</i> De Lotto	Polyphagous on ornamentals and fruits in 10 families and 17 genera	Cosmopolitan, in 17 countries	Irian Jaya, Sulawesi (Gavrilov-Zimin 2013)
<i>Coccus discrepans</i> (Green)	Polyphagous on ornamentals and fruits in 9 families and 11 genera	India, Indonesia, Japan, Pakistan, Singapore, Sri Lanka, Taiwan	Sumatra (Ali 1971)
<i>Coccus formicarii</i> (Green)	Polyphagous on ornamentals and fruits in 30 families and 44 genera	Cosmopolitan, in 11 countries: China, Hong Kong, India, Laos, Madagascar, Malaysia, Nepal, Sri Lanka, Taiwan, Thailand	? (Ben-Dov 1993)
<i>Coccus heckrothi</i> Gullan & Kondo	<i>Macaranga aetheadenia</i> , <i>M. bancana</i> , <i>M. hosei</i> , <i>M. indistincta</i> , <i>M. rufescens</i> , <i>M. trachyphylla</i>	Indonesia, Malaysia	Kalimantan (Gullan <i>et al.</i> 2018)
<i>Coccus hesperidum hesperidum</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 124 families and 362 genera	Cosmopolitan, in 142 countries	Irian jaya (Ben-Dov 1993), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Ali 1971)
<i>Coccus hesperidum javanensis</i> (Newstead)*	<i>Coffea liberica</i> , <i>Taxus baccata</i>	Indonesia	Java (Newstead 1908)
<i>Coccus longulus</i> (Douglas)	Polyphagous on ornamentals and fruits in 54 families and 139 genera	Cosmopolitan, in 70 countries	Sumatra (Ali 1971)
<i>Coccus opimus</i> (Green)	<i>Cassia fistula</i>		Java (Sasscer 1915)

<i>Coccus penangensis</i> Morrison	<i>Macaranga angulata</i> , <i>M. bancana</i> , <i>M. glandibracteolata</i> , <i>M. hullettii</i> , <i>M. indistincta</i> , <i>M. petanostyla</i> , <i>M.</i> <i>trachyphylla</i> , <i>M. triloba</i>	Brunei, Indonesia, Malaysia, Singapore	Sumatra (Gullan <i>et al.</i> 2018)
<i>Coccus sulawesicus</i> Gavrillov*	Dicotyledonous shrub	Indonesia	Sulawesi (Gavrillov-Zimin 2013)
<i>Coccus tenebricophilus</i> (Green)* <i>Coccus viridis</i> (Green)	<i>Erythrina variegata</i> Polyphagous on ornamentals and fruits in 61 families and 144 genera	Indonesia Cosmopolitan, in 93 countries	Java (Green 1904) Bali (Gavrillov-Zimin 2017), Irian Jaya (Kondo 2013), Java (Ali 1971; Kondo 2013), Sulawesi (Gavrillov-Zimin 2013), Sumatra (Ali 1971)
<i>Ctenochiton</i> Maskell			
<i>Ctenochiton carinatus</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Ctenochiton formicophilus</i> Green*	Collected from nest of ants	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Ctenochiton inclusus</i> Green*	Collected from nest of ants	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Discochiton</i> Hodgson & Williams			
<i>Discochiton cocophyllae</i> (Banks)	<i>Calamus</i> sp., <i>Cocos nucifera</i> , <i>Dillenia philippinensis</i> , <i>Dyopsis</i> <i>lutescens</i> , <i>Rhapis excelsa</i> , <i>R.</i> <i>humilis</i> , <i>Sabal minor</i>	Cambodia, Japan, Indonesia, Malaysia, Philippines, Singapore, Thailand	Sulawesi (Hodgson & Williams 2018)

<i>Discochiton expansum</i> (Green)	<i>Annona reticulata</i> , <i>Dalbergia</i> sp., <i>Dendrotrophe frutescens</i> , <i>Drypetes</i> sp., <i>Ficus macrophylla</i> , <i>F.</i> <i>microcarpa</i> , <i>F. pumila</i> , <i>F. retusa</i> , <i>Gymnacranthera</i> sp., <i>Litsea</i> <i>glutinosa</i> , <i>Mimusops</i> sp., <i>Morella</i> <i>rubra</i> , <i>Machilus thunbergii</i> , <i>Myristica fragrans</i> , <i>Neolitsea</i> <i>zeylandica</i> , <i>Polyalthia longifolia</i> , <i>Viscum orientale</i> , Zingiberaceae	Australia, Hong Kong, India, Indonesia, Japan, Laos, Papua New Guinea, Taiwan, Thailand, Vietnam	Java (Green 1904; Ali 1971)
<i>Discochiton javanicum</i> (Green)*	<i>Anomianthus heterocarpus</i>	Indonesia	Java (Hodgson & Williams 2018)
<i>Discochiton metallicum</i> (Green)	<i>Annona muricata</i> , <i>Durio</i> <i>zibethinus</i> , <i>Myristica</i> sp., <i>M.</i> <i>fragrans</i>	Indonesia, Malaysia, Philippines, Singapore, Thailand	Java (Green 1904; Ali 1971)
<i>Discochiton milleri</i> (Takahashi)	<i>Annona muricata</i> , <i>Cocos nucifera</i> , <i>Elaeis</i> sp., <i>Ficus religiosa</i> , <i>Mangifera indica</i>	Brunei, Indonesia, Malaysia, Vietnam	Java (Hodgson & Williams 2018)
<i>Discochiton papillatum</i> Hodgson	<i>Coelogyne prolifera</i> , <i>Elaeis</i> <i>guineensis</i> , <i>Piper nigrum</i>	Brunei, India, Indonesia, Malaysia, Thailand	? (Hodgson & Williams 2018)
<i>Discochiton quadratum</i> (Green)	<i>Calophyllum inophyllum</i> , <i>Diplodiscus paniculatus</i> , <i>Garcinia</i> sp., <i>Myristica fragrans</i> , <i>Scolopia</i> <i>oldhamii</i>	Indonesia, Japan, Laos, Philippines, Sri Lanka, Taiwan	Java (Ali 1971)
<i>Discochiton rotundum</i> (Green)	<i>Rhizophora mucronata</i>	Indonesia, Malaysia	Java (Green 1904)
<i>Discochiton trifasciatum</i> (Green)	<i>Drypetes sumatrana</i> , <i>Michelia</i> sp., <i>Piper nigrum</i>	Indonesia, Malaysia, Sri Lanka	Java (Hodgson & Williams 2018)
<i>Discochiton vacuum</i> (Morrison)	<i>Annona muricata</i> , <i>Cinnamomum</i> <i>verum</i> , <i>Cocos nucifera</i> , <i>Ficus</i> sp., <i>F. kurzii</i> , <i>Rhizophora</i> sp.	Brunei, Indonesia, Malaysia, Singapore, Taiwan	? (Ben-Dov 1993)

***Drepanococcus* Williams & Watson**

<i>Drepanococcus chiton</i> (Green)	<i>Aleurites</i> sp., <i>Annona muricata</i> , <i>Calophyllum inophyllum</i> , <i>Camellia sinensis</i> , <i>Carica papaya</i> , <i>Citrus aurantiifolia</i> , <i>Colubrina</i> sp., Fabaceae, <i>Ficus benjamina</i> , <i>F. retusa</i> , <i>Grevillea papuana</i> , <i>Litsea</i> sp., <i>Semecarpus</i> sp., <i>Solanum melongena</i> , <i>Theobroma cacao</i> , <i>Thespesia populnea</i>	Andaman Is, China, India, Indonesia, Laos, Malaysia, Papua New Guinea, Solomon Is, Sri Lanka, Taiwan, Thailand, Vietnam	Irian Jaya (Williams & Watson 1990; Gavrilov-Zimin 2013), Java (Ali 1971)
<i>Eucalymnatus</i> Cockerell & Parrott <i>Eucalymnatus tessellatus</i> (Signoret)	Polyphagous on ornamentals and fruits in 55 families and 110 genera	Cosmopolitan, in 77 countries	Java (Green 1904; Ali 1971)
<i>Inglisia</i> Maskell <i>Inglisia speciosa</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Kilifia</i> De Lotto <i>Kilifia deltoides</i> De Lotto	<i>Adiantum</i> sp., <i>Anacardium occidentale</i> , <i>Callistemon</i> sp., <i>Camellia</i> sp., <i>Eugenia</i> sp., <i>Cinnamomum</i> sp., <i>Mangifera indica</i> , <i>Psidium guajava</i>	China, Comoros, Indonesia, Kenya, Malaysia, Reunion, Tanzania, Zanzibar	Java (Ben-Dov 1993)
<i>Luzulaspis</i> Cockerell <i>Luzulaspis australis</i> (Maskell)	<i>Aristida ramosa</i> , <i>Eragrostis australasica</i> , <i>Poaceae</i> sp., <i>Saccharum officinarum</i> , <i>Yakirra majuscula</i>	Australia, Indonesia	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)
<i>Megalocryptes</i> Takahashi <i>Megalocryptes bambusicola</i> (Green)	<i>Bambusa multiplex</i>	Indonesia, Vietnam	Sumatra (Green 1930; Ali 1971)
<i>Megapulvinaria</i> Yang			

<i>Megapulvinaria maxima</i> (Green)	Polyphagous on ornamentals and fruits in 15 families and 24 genera: Anacardiaceae, Annonaceae, Euphorbiaceae, Fabaceae, Malvaceae, Melastomataceae, Meliaceae, Moraceae, Nyctaginaceae, Phyllanthaceae, Piperaceae, Rhamnaceae, Rubiaceae, Rutaceae, Urticaceae	Federated States of Micronesia, India, Indonesia, Laos, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam	Java (Green, 1904; Ali 1971; Hodgson 1994)
<i>Milviscutulus Williams & Watson</i> <i>Milviscutulus mangiferae</i> (Green)	Polyphagous on ornamentals and fruits in 42 families and 82 genera	Cosmopolitan, in 63 countries	Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Green 1904), Sulawesi (Gavrilov-Zimin 2013)
<i>Milviscutulus spiculatus</i> Williams & Watson	<i>Epipremnum</i> sp., <i>Ficus septica</i> , <i>F. theophrastoides</i> , <i>Gyrocarpus</i> sp., <i>Mangifera indica</i> , <i>Persea americana</i> , <i>Rhizophora apiculata</i> , <i>Timonius</i> sp.	Indonesia, Papua New Guinea, Solomon Is	Irian Jaya (Williams & Watson 1990)
<i>Paralecanium Cockerell</i> <i>Paralecanium acinaces</i> Hodgson*	On leaf of tree	Indonesia	Bali (Hodgson & Williams 2018)
<i>Paralecanium claviseta</i> Hodgson*	<i>Banksia</i> sp.	Indonesia	Sulawesi (Hodgson & Williams 2018)
<i>Paralecanium maculatum</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971; Hodgson & Williams 2018)
<i>Paralecanium minutum</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Paralecanium neomaritimum</i> Takahashi,	<i>Avicennia</i> sp., <i>Rhizophora</i> sp., <i>Syzygium calubcob</i>	Brunei, Indonesia, Malaysia	Sulawesi (Hodgson & Williams 2018)
<i>Paralecanium ovatum</i> Morrison	<i>Cyrtostachys renda</i> , <i>Pandanus</i> sp.	Indonesia, Malaysia, Papua New Guinea, Singapore	? (Ben-Dov 1993)

Parasaissetia* TakahashiParasaissetia nigra* (Nietner)Polyphagous on ornamentals and
fruits in 95 families and 261 generaCosmopolitan, in 125
countriesIrian Jaya (Gavrilov-Zimin
2013), Java (CABI 1997),
Sumatra (Ali 1968, 1971)***Platylecanium* Cockerell & Robinson***Platylecanium cocotis* Laing*Alpinia purpurata*, *Cocos nucifera*Indonesia, Papua New
Guinea, Solomon Is,
VanuatuIrian Jaya (Gavrilov-Zimin
2013)*Platylecanium elongatum* Takahashi*

Arecaceae

Indonesia

Sumatra (Ali 1971)

Platylecanium riouwense Takahashi*

Host plant not indicated

Indonesia

Sumatra (Ali 1971)

Prococcus* AvasthiPrococcus acutissimus* (Green)Polyphagous on ornamentals and
fruits in 29 Families and 42 GeneraCosmopolitan, in 22
countries

Sumatra (Ben-Dov 1993)

Pulvinaria* Targioni TozzettiPulvinaria cacao* Williams & Watson*Theobroma cacao*Indonesia, Papua New
GuineaIrian Jaya (Gavrilov-Zimin
2013)*Pulvinaria psidii* MaskellPolyphagous on ornamentals and
fruits in 67 families and 141 generaCosmopolitan, in 98
countriesFlores (Gavrilov-Zimin 2017),
Irian Jaya (Ben-Dov 1993;
CABI 1994), Java (Green
1904; CABI 1994), Sulawesi
(CABI 1994), Sumatra (CABI
1994)***Saccharolecanium* Williams***Saccharolecanium krugeri* (Zehntner)*Saccharum* sp., *S. officinarum*India, Indonesia, Malaysia,
Sri Lanka

Java (Hodgson 1994)

Saissetia* SoumalainenSaissetia coffeae* (Walker)Polyphagous on ornamentals and
fruits in 107 families and 294
generaCosmopolitan, in 119
countriesIrian Jaya (Kalshoven 1981),
Java (Green 1904), Sulawesi
(Watson *et al.* 2014), Sumatra
(Ali 1971; Watson *et al.* 2014)*Saissetia miranda* (Cockerell & Parrott
in Cockerell)Polyphagous on ornamentals and
fruits in 26 families and 58 generaCosmopolitan, in 36
countries

Irian Jaya (Ben-Dov 1993)

<i>Saissetia oleae oleae</i> (Olivier)	Polyphagous on ornamentals and fruits in 77 families and 217 genera	Cosmopolitan, in 104 countries	Java (Green 1904)
Takahashilecanium Kondo			
<i>Takahashilecanium rotundum</i> (Takahashi)	Host plant not indicated	Brunei, Indonesia	Sumatra (Ali 1971)
Tectopulvinaria Hempel			
<i>Tectopulvinaria latidigitata</i> Gavrilov-Zimin*	On twig of unidentified tree	Indonesia	Bali (Gavrilov-Zimin 2017)
Xenolecanium Takahashi			
<i>Xenolecanium takahashii</i> Kondo*	<i>Eugenia</i> sp.	Indonesia	Sumatra (Kondo <i>et al.</i> 2005)
DIASPIDIDAE Targioni Tozzetti			
<i>Acanthaspidotus</i> Borchsenius & Williams			
<i>Acanthaspidotus pustulans</i> (Green)*	<i>Erythrina variegata</i>	Indonesia	Java (Green 1905; Sanders 1906)
<i>Allantomytilus</i> Leonardi			
<i>Allantomytilus dacryoides</i> Williams & Watson*	On unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Aonidiella</i> Berlese & Leonardi			
<i>Aonidiella aurantii</i> (Maskell)	Polyphagous on ornamentals and fruits in 84 families and 178 genera	Cosmopolitan, in 88 countries	Java (Green 1904; Kalshoven 1981; Dao <i>et al.</i> 2018) ? (Nakahara 1982)
<i>Aonidiella citrina</i> (Coquillett)	Polyphagous on ornamentals and fruits in 26 families and 42 genera	Cosmopolitan, in 53 countries	
<i>Aonidiella inornata</i> McKenzie	Polyphagous on ornamentals and fruits in 24 families and 32 genera	Cosmopolitan, in 26 countries	Irian Jaya (Williams & Watson 1988a)
<i>Aspidiella</i> Leonardi			
<i>Aspidiella sacchari</i> (Cockerell)	<i>Alocasia</i> sp., <i>Casearia aculeata</i> , Poaceae	Cosmopolitan, in 37 countries	? (Nakahara 1982)
<i>Aspidiotus</i> Bouché			

<i>Aspidiotus destructor</i> Signoret	Polyphagous on ornamentals and fruits in 71 families and 130 genera	Cosmopolitan, in 96 countries	Irian Jaya (Williams & Watson 1988a), Java (Green 1904)
<i>Aspidiotus excisus</i> Green	Polyphagous on ornamentals and fruits in 24 families and 27 genera	Cosmopolitan, in 47 countries	Java, Sumatra (Kalshoven 1981)
<i>Aspidiotus nerii</i> Bouché	Polyphagous on ornamentals and fruits in 120 families and 329 genera	Cosmopolitan, in 74 countries	? (Suh 2016)
<i>Aspidiotus rigidus</i> (Reyne)	<i>Cocos nucifera</i> , <i>Dypsis lutescens</i> , <i>Chrysalidocarpus lutescens</i> , <i>Garcinia mangostana</i> , <i>Musa</i> sp., <i>Nypa fruticans</i>	Indonesia, Palau, Philippines	Bali (Kalshoven 1981), Flores (Watson <i>et al.</i> 2015), Java (Kalshoven 1981), Sulawesi (Reyne 1947, 1948; Watson <i>et al.</i> 2014)
<i>Aulacaspis</i> Cockerell			
<i>Aulacaspis depressa</i> (Zehntner)	<i>Saccharum bengalense</i>	China, India, Philippines	Java (Zehntner 1897)
<i>Aulacaspis hedyotidis</i> (Green)	<i>Durio zibethinus</i> , <i>Hedyotis lawsoniae</i> , <i>Mallotus</i> sp., <i>Mangifera</i> sp., <i>Oldenlandia auricularia</i> , <i>Pleiocraterium verticillare</i>	India, Indonesia, Malaysia, Pakistan, Sri Lanka, Taiwan	Java (Green 1905)
<i>Aulacaspis javanensis</i> Newstead*	Ericaceae sp.	Indonesia	Java (Newstead 1906b)
<i>Aulacaspis madiunensis</i> (Zehntner)	<i>Arundo</i> sp., <i>Cycas</i> sp., <i>Cymbopogon</i> sp., <i>Cyperus papyrus</i> , <i>Ischaemum</i> sp., <i>Oplismenus</i> sp., <i>Pandanus</i> sp., <i>Phragmites</i> sp., <i>Saccharum arundinaceum</i> , <i>S. officinarum</i> , <i>S. spontaneum</i>	Cosmopolitan, in 21 countries	Java (Zehntner 1898; Kalshoven 1981), Sumatra (Beardsley 1966)
<i>Aulacaspis marina</i> Takagi & Williams	<i>Xylocarpus</i> sp., <i>Bruguiera</i> sp., <i>Rhizophora apiculata</i> , <i>R. mucronata</i>	Indonesia, Malaysia, Philippines	Bali (Takagi & Williams 1998)
<i>Aulacaspis penzigi</i> (Leonardi)*	<i>Ilex</i> sp.	Indonesia	Java (Leonardi 1907)

<i>Aulacaspis robusta</i> Takahashi	<i>Aegle marmelos</i> , <i>Ardisia</i> sp., <i>A. sieboldii</i>	Hongkong, Indonesia, Taiwan	Kalimantan (Takagi 2018)
<i>Aulacaspis sumatrensis</i> Green	<i>Cocos nucifera</i> , <i>Mangifera indica</i> , <i>M. odorata</i> , <i>Nypa fruticans</i>	Indonesia, New Caledonia, Philippines, Mindanao, Vanuatu	Sumatra (Green 1930)
<i>Aulacaspis tegalensis</i> (Zehntner)	<i>Cymbidium</i> sp., <i>Phoebe</i> sp., <i>Pluchea indica</i> , <i>Saccharum</i> sp., <i>S. arundinaceum</i> , <i>S. bengalense</i> , <i>S. officinarum</i> , <i>S. spontaneum</i> , <i>Sorghum halepense</i> , <i>Smilax china</i> , <i>Trachycarpus fortunei</i>	Cosmopolitan, in 218 countries	Java (Zehntner 1898)
<i>Aulacaspis thorntoni</i> Williams & Miller	<i>Calophyllum inophyllum</i> , <i>Barringtonia</i> sp.	Indonesia, Malaysia	Java (Williams & Miller 2010)
<i>Aulacaspis tubercularis</i> Newstead	Polyphagous on ornamentals and fruits in 18 families and 30 genera	Cosmopolitan, in 69 countries	Java (Newstead 1906b; Williams & Miller 2010)
<i>Aulacaspis vitis</i> (Green)	Polyphagous on ornamentals and fruits in 12 families and 14 genera	India, Indonesia, Japan, Peru, South Africa, Sri Lanka, Taiwan, Thailand, Vietnam	Java (Green 1905), Sumatra (Green 1899)
<i>Aulacaspis yabunikkei</i> Kuwana	Polyphagous on ornamentals and fruits in 6 families and 12 genera	China, Hongkong, Indonesia, Japan, Ryukyu Is, South Korea, Taiwan	Java (Tao 1999)
<i>Aulacaspis yasumatsui</i> Takagi	Polyphagous on ornamentals and fruits in 3 families and 8 genera	Cosmopolitan, in 39 countries	Java (Muniappan <i>et al.</i> 2012), Sulawesi (Watson <i>et al.</i> 2014)
Bayuraspis Takagi			
<i>Bayuraspis javanensis</i> (Williams)	<i>Pterospermum</i> sp., <i>P. javanicum</i>	Indonesia, Malaysia	Java (Williams 1963)
Chionaspis Signoret			
<i>Chionaspis comys</i> Williams & Watson*	Undetermined tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
Chrysomphalus Ashmead			
<i>Chrysomphalus aonidum</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 73 families and 170 genera	Cosmopolitan, in 85 countries	Java (Green 1904; Suh 2016)

<i>Chrysomphalus dictyospermi</i> (Morgan)	Polyphagous on ornamentals and fruits in 80 families and 192 genera	Cosmopolitan, in 102 countries	Irian Jaya (Williams & Watson 1988a), Java (Green 1904)
<i>Chrysomphalus propisus</i> Banks	<i>Calamus spectabilis</i> , <i>Cocos nucifera</i> , <i>Corypha utan</i> , <i>Metroxylon</i> sp., <i>Pandanus</i> sp., <i>P. utilis</i>	Hawaiian Is, Indonesia, Malaysia, Philippines, Tuvalu	Sumatra (Malenotti 1916; McKenzie 1939)
<i>Clavaspidotus</i> Takagi & Kawai <i>Clavaspidotus apicalis</i> Takagi+	<i>Citrus</i> sp., <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>Litsea glutinosa</i> , <i>Pangium</i> sp.	Egypt, Indonesia, Philippines, Singapore	Java (Takagi 1974), Sulawesi (Normark <i>et al.</i> 2019), Sumatra (Watson <i>et al.</i> 2014)
<i>Diaspis</i> Costa <i>Diaspis boisduvalii</i> (Signoret)	Polyphagous on ornamentals and fruits in 34 families and 126 genera	Cosmopolitan, in 82 countries	? (Suh 2016)
<i>Diaspis bromeliae</i> (Kerner)	Polyphagous on ornamentals and fruits in 10 families and 26 genera	Cosmopolitan, in 74 countries	? (Suh 2016)
<i>Duplachionaspis</i> MacGillivray <i>Duplachionaspis saccharifolii</i> (Zehntner)	<i>Phragmites australis</i> , <i>Saccharum officinarum</i>	China, Indonesia, Philippines	Java (Zehntner 1897)
<i>Duplaspidotus</i> MacGillivray <i>Duplaspidotus tesseratus</i> Grandpré & Charmoy	Polyphagous on ornamentals and fruits in 14 families and 19 genera	Cosmopolitan, in 24 countries	Java (Ferris 1938)
<i>Fiorinia</i> Targioni Tozzetti <i>Fiorinia biakana</i> Williams & Watson*	Unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a) ? (Suh 2016)
<i>Fiorinia fioriniae</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 47 families and 93 genera	Cosmopolitan, in 157 countries	
<i>Fiorinia iavanica</i> (Leonardi)*	<i>Ilex</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Fiorinia macroprocta</i> (Leonardi)*	<i>Rhapis excelsa</i>	Indonesia	Java (Leonardi 1907; Ali 1969)

<i>Fiorinia phantasma</i> Cockerell & Robinson	Polyphagous on ornamentals and fruits in 24 families and 52 genera	Cosmopolitan, in 23 countries	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia proboscidaria</i> Green	Polyphagous on ornamentals and fruits in 11 families and 11 genera	Cosmopolitan, in 20 countries	Java, Sumatra (Clausen 1933)
<i>Fiorinia reducta</i> Williams & Watson*	Unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia theae</i> Green	Polyphagous on ornamentals and fruits in 12 families and 14 genera	Cosmopolitan, in 19 countries	Irian Jaya (Reyne 1961)
<i>Froggattiella Leonardi</i>			
<i>Froggattiella mcclurei</i> Ben-Dov	<i>Bambusa</i> sp., <i>B. multiplex</i>	China, Hong Kong, Indonesia, Philippines	Java (Ben-Dov 1988)
<i>Furcaspis Lindinger</i>			
<i>Furcaspis biformis</i> (Cockerell)	<i>Aechmea magdalenae</i> , <i>Agave</i> sp., <i>Aloe</i> sp., <i>Brassavola</i> sp., <i>Brassia</i> sp., <i>Bromella</i> sp., <i>Cattleya</i> sp., <i>Euphorbia tithymaloides</i> , <i>Hoya</i> sp., <i>Melocactus</i> sp., <i>Musa</i> sp., Orchidaceae, <i>Piper</i> sp., <i>Psychotria</i> sp., <i>Strelitzia</i> sp., <i>Syzygium</i> sp., <i>Yucca</i> sp.	Cosmopolitan, in 43 countries	Java (Kuwana & Muramatsu 1931; Williams <i>et al.</i> 2006)
<i>Genaparlatoria MacGillivray</i>			
<i>Genaparlatoria pseudaspidiotus</i> (Lindinger)	<i>Aerides</i> sp., <i>Cattleya</i> sp., <i>Commiphora berryi</i> , <i>Cymbidium</i> sp., <i>Cyrtopodium punctatum</i> , <i>Dendrobium</i> sp., <i>Euphorbia antiquorum</i> , <i>Mangifera indica</i> , <i>Papilionanthe hookeriana</i> , <i>P. teres</i> , <i>Pithecellobium dulce</i> , <i>Trichoglottis philippinensis</i> , <i>Vanda</i> sp.	Cosmopolitan, in 38 countries	Java (Merrill 1953)
<i>Greeniella Cockerell</i>			

<i>Greeniella calophylli</i> Williams & Miller*	<i>Calophyllum inophyllum</i>	Indonesia	Java (Williams & Miller 2010)
<i>Greeniella javanensis</i> (Green)	<i>Eugenia</i> sp., <i>Myristica fragrans</i>	Indonesia, Philippines	Java (Green 1905; Sanders 1906)
<i>Hemiberlesia</i> Cockerell			
<i>Hemiberlesia cyanophylli</i> (Signoret)	Polyphagous on ornamentals and fruits in 73 families and 141 genera	Cosmopolitan, in 71 countries	Java (Green 1904; Kalshoven 1981), Sumatra (Green 1937)
<i>Hemiberlesia lataniae</i> (Signoret) ⁺	Polyphagous on ornamentals and fruits in 114 families and 323 genera	Cosmopolitan, in 112 countries	Irian Jaya (Williams & Watson 1988a)
<i>Hemiberlesia palmae</i> (Cockerell)	Polyphagous on ornamentals and fruits in 54 families and 94 genera	Cosmopolitan, in 67 countries	Java (Kuwana & Muramatsu 1931), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Green 1930)
<i>Hemiberlesia rapax</i> (Comstock)	Polyphagous on ornamentals and fruits in 79 families and 189 genera	Cosmopolitan, in 71 countries	? (Suh 2016)
<i>Howardia</i> Berlese & Leonardi			
<i>Howardia biclavis</i> (Comstock)	Polyphagous on ornamentals and fruits in 69 families and 196 genera	Cosmopolitan, in 71 countries	Java (Clausen 1933; Nakahara 1982)
<i>Ischnaspis</i> Douglas			
<i>Ischnaspis longirostris</i> (Signoret)	Polyphagous on ornamentals and fruits in 50 families and 145 genera	Cosmopolitan, in 93 countries	Java (Leonardi 1901)
<i>Kuwanaspis</i> MacGillivray			
<i>Kuwanaspis bambusicola</i> (Cockerell)	<i>Bambusa</i> sp., <i>B. bambos</i> , <i>B. blumeana</i> , <i>B. multiplex</i> , <i>Dendrocalamus</i> sp., <i>D. macroculmis</i> , <i>D. strictus</i> , <i>Drepanostachyum falcatum</i> , <i>Phyllostachys aurea</i>	Algeria, Azores, Brazil, Indonesia, Sao Paulo, China, Nepal, Sinegal, Taiwan	Sumatra (Green 1930)
<i>Lepidosaphes</i> Shimer			

<i>Lepidosaphes beckii</i> (Newman)	Polyphagous on ornamentals and fruits in 40 families and 56 genera	Cosmopolitan, in 121 countries	Java (Kalshoven 1981), Sulawesi (Normark <i>et al.</i> 2019), Sumatra (Kalshoven 1981; Watson <i>et al.</i> 2014)
<i>Lepidosaphes corrugata</i> Green*	<i>Coffea arabica</i>	Indonesia	Java (Green 1904)
<i>Lepidosaphes crawii</i> (Cockerell)	<i>Elaeagnus</i> sp., <i>Castanopsis</i> sp., <i>C. cuspidata</i> , <i>C. faberi</i> , <i>Lithocarpus uraianus</i> , <i>Pterospermum javanicum</i>	Indonesia, Japan, Taiwan	Java (Green 1905)
<i>Lepidosaphes eurychlidonis</i> Williams & Watson	<i>Hibiscus</i> sp.	Indonesia, Vanuatu	Irian Jaya (Williams & Watson 1988a)
<i>Lepidosaphes gloverii</i> (Packard)	Polyphagous on ornamentals and fruits in 27 families and 38 genera	Cosmopolitan, in 82 countries	Irian Jaya (Reyne 1961), Java (Watson <i>et al.</i> 2014)
<i>Lepidosaphes lasianthi</i> (Green)	<i>Codiaeum variegatum</i> , <i>Croton</i> sp., <i>Cr. humilis</i> , <i>Lasianthus strigosus</i>	Bermuda, Guyana, India, Indonesia, Puerto Rico & Vieques, Srilangka, United States	Java (Green 1905)
<i>Lepidosaphes laterochitinsa</i> Green	Polyphagous on ornamentals and fruits in 28 families and 38 genera	Cosmopolitan, in 18 countries	? (Suh 2016)
<i>Lepidosaphes punicae</i> Laing	<i>Artocarpus</i> sp., <i>A. altilis</i> , <i>Ficus</i> sp., <i>Litchi</i> sp., <i>L. chinensis</i> , <i>Macaranga</i> sp., <i>Nephelium</i> , <i>Plumeria</i> sp., <i>Psittacanthus</i> sp., <i>Punica granatum</i> , <i>Rosa</i> sp., <i>Solanum</i> sp., <i>Vanilla</i> sp., <i>Yucca</i> sp.	Cosmopolitan, in 15 countries	? (Suh 2016)
<i>Lepidosaphes rubrovittata</i> (Cockerell)	Polyphagous on ornamentals and fruits in 12 families and 14 genera	Cosmopolitan, in 18 countries	Irian Jaya (Williams & Watson 1988a)
<i>Lepidosaphes tapleyi</i> Williams	Polyphagous on ornamentals and fruits in 19 families and 26 genera	Cosmopolitan, in 17 countries	Irian Jaya (Williams & Watson 1988a)

<i>Lepidosaphes tokionis</i> (Kuwana)	<i>Anthurium</i> sp., <i>Cordyline fruticosa</i> , <i>Dracaena</i> sp., <i>Sansevieria</i> sp., <i>Codiaeum</i> sp., <i>Co. variegatum</i> , <i>Croton</i> sp., <i>Cr. tiglium</i> , <i>Gossypium</i> sp., <i>Citrus maxima</i> , <i>Capsicum</i> sp. <i>Syzygium pseudojambolana</i>	Cosmopolitan, in 30 countries	Java (Ali 1969), Sulawesi (Watson <i>et al.</i> 2014)
<i>Lepidosaphes unguolata</i> Green* Lopholeucaspis Balachowsky		Indonesia	Java (Green 1905)
<i>Lopholeucaspis cockerelli</i> (Grandpré & Charmoy) Loranthaspis Cockerell & Bueker	Polyphagous on ornamentals and fruits in 33 families and 63 genera	Cosmopolitan, in 54 countries	? (Nakahara 1982)
<i>Loranthaspis microconcha</i> Cockerell & Bueker* Microparlatoria Takahashi	<i>Canarium</i> sp., <i>Dendrophthoe</i> <i>pentandra</i>	Indonesia	Java (Cockerell & Bueker 1930)
<i>Microparlatoria fici</i> (Takahashi) Mongrovaspis Bodenheimer	<i>Ficus retusa</i>	Indonesia, Taiwan, Thailand	Sulawesi (Suh & Ji 2009; Normark <i>et al.</i> 2019)
<i>Mongrovaspis quadrispinosa</i> (Green) Morganella Cockerell	<i>Avicennia marina</i> , <i>A. officinalis</i>	Egypt, Indonesia, Iran, Philippines	Lombok (Takagi 2002)
<i>Morganella longispina</i> (Morgan) Mycetaspis Cockerell	Polyphagous on ornamentals and fruits in 22 families and 36 genera	Cosmopolitan, in 42 countries	? (Nakahara 1982)
<i>Mycetaspis personata</i> (Comstock) Odonaspis Leonardi	Polyphagous on ornamentals and fruits in 19 families and 30 genera	Cosmopolitan, in 44 countries	? (Nakahara 1982)
<i>Odonaspis greenii</i> (Cockerell)	<i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B.</i> <i>dissemulator</i> , <i>B. multiplex</i> , <i>B.</i> <i>pervariabilis</i> , <i>B. vulgaris</i> , <i>Bambusoideae</i> sp., <i>Dinorchloa</i> <i>scandens</i> , <i>Gigantochloa</i> sp., <i>G.</i> <i>verticillata</i> , <i>Miscanthus</i> sp., <i>M.</i> <i>sinensis</i> , <i>Schizostachyum diffusum</i>	Cosmopolitan, in 23 countries	? (MacGillivray 1921; Ben- Dov 1988)

<i>Odonaspis lingnani</i> Ferris <i>Odonaspis saccharicaulis</i> (Zehntner)	<i>Bambusa multiplex</i> , <i>B. vulgaris</i> <i>Heliconia</i> sp., <i>Mangifera</i> sp., Poaceae, <i>Scleria canescens</i>	China, Indonesia, Malaysia Cosmopolitan, in 35 countries	? (Ben-Dov 1988) Java (Merrill 1953; Ben- Dov 1988), Sumatra (Green 1930)
<i>Odonaspis secreta</i> (Cockerell)	<i>Arundinaria</i> sp., <i>A. chino</i> , <i>A.</i> <i>simonii</i> , <i>Bambusa</i> sp., <i>B. bambos</i> , <i>B. blumeana</i> , <i>Indocalamus</i> <i>tessellatus</i> , <i>Miscanthus</i> sp., <i>Phyllostachys</i> sp., <i>Pleioblastus</i> sp., <i>Pseudosasa japonica</i> , <i>Sasa</i> sp., <i>S.</i> <i>palmata</i> , <i>S. senanensis</i> , <i>S. veitchii</i> , <i>Schizostachyum glaucifolium</i> , <i>Semiarundinaria fastuosa</i>	Cosmopolitan, in 23 countries	Java (MacGillivray 1921; Borchsenius 1937)
<i>Opuntiaspis</i> Cockerell <i>Opuntiaspis javanensis</i> Green	<i>Agave</i> sp., <i>A. decipiens</i> , <i>A.</i> <i>fourcroydes</i> , <i>A. sisalana</i> , <i>A. vera-</i> <i>cruz</i> , <i>A. xylonacantha</i> , <i>Beaucarnea</i> sp.	Indonesia, Mexico, United States	Java (Green 1905)
<i>Parlatoria</i> Colvée <i>Parlatoria camelliae</i> (Comstock)	Polyphagous on ornamentals and fruits in 25 families and 40 genera	Cosmopolitan, in 31 countries	Java (Merrill 1953)
<i>Parlatoria cinerea</i> Hadden in Doane & Hadden	<i>Annona muricata</i> , <i>Citrus</i> sp., <i>C.</i> <i>aurantiifolia</i> , <i>C. aurantium</i> , <i>C.</i> <i>aurantium</i> , <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>C. reticulata</i> , <i>Gardenia</i> sp., <i>Grewia asiatica</i> , <i>Hibiscus</i> sp., <i>Jasminum</i> sp., <i>J. sambac</i> , <i>Malus</i> <i>pumila</i> , <i>M. sylvestris</i> , <i>Mangifera</i> <i>indica</i> , <i>Melia azedarach</i> , <i>Nerium</i> <i>indicum</i> , <i>N. oleander</i> , <i>Rosa</i> sp., <i>Smilax</i> sp., <i>Stephanotis</i> sp., <i>Vitis</i> <i>vinifera</i>	Cosmopolitan, in 50 countries	Java (Morrison 1939)

<i>Parlatoria citri</i> McKenzie	<i>Citrus</i> sp., <i>C. aurantium</i>	Cook Is, India, Indonesia, Nigeria, Thailand	Java (McKenzie 1943)
<i>Parlatoria crotonis</i> (Douglas)	<i>Citrus aurantium</i> , <i>C. medica</i> , <i>Cocos nucifera</i> , <i>Codiaeum</i> sp., <i>Co. variegatum</i> , <i>Croton</i> sp., <i>Cr. scouleri</i> , <i>Dendrobium</i> sp., <i>D. moschatum</i> , <i>Dermacentor marginatus</i> , <i>Ficus</i> sp., <i>F. citrifolia</i> , <i>Illicium philippinense</i> , <i>I. tashiroi</i> , <i>Inocarpus fagifer</i> , <i>Laurus</i> sp., <i>Magnolia</i> sp., <i>Pandanus utilis</i> , <i>Pinus</i> sp.	Cosmopolitan, in 50 countries	Irian Jaya (Williams & Watson 1988a), Java (Williams & Miller 2010)
<i>Parlatoria flava</i> Takahashi	Unknown host	Indonesia	Sumarta (Takahashi 1951)
<i>Parlatoria hastata</i> (Lindinger)*	<i>Gnetum</i> sp.	Indonesia	Kalimantan (Lindinger 1911)
<i>Parlatoria pergandii</i> Comstock	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Java (Morrison 1939; Kalshoven 1981) Sumatra (Morrison 1939)
<i>Parlatoria proteus</i> (Curtis)	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Java (Newstead 1908), Kalimantan (Fleury 1935), Sumatra (Clausen 1933)
<i>Parlatoria ziziphi</i> (Lucas)	Polyphagous on ornamentals and fruits in 12 families and 16 genera: Apocynaceae, Arecaceae, Euphorbiaceae, Moraceae, Myrtaceae, Oleaceae, Orchidaceae, Rhamnaceae, Rubiaceae, Rutaceae, Sapindaceae, Theaceae	Cosmopolitan, in 93 countries	Java (Morrison 1939; Kalshoven 1981), Sumatra (Clausen 1933)
<i>Pinnaspis</i> Cockerell			
<i>Pinnaspis aspidistrae aspidistrae</i> (Signoret)	Polyphagous on ornamentals and fruits in 71 families and 133 genera	Cosmopolitan, in 89 countries	Java (Green 1905)

<i>Pinnaspis buxi</i> (Bouché)	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Irian Jaya (Williams & Watson 1988a), Java (Williams & Miller 2010)
<i>Pinnaspis diaspidiformis</i> (Newstead)	<i>Bambusa</i> sp., <i>Piper</i> sp.	Indonesia	Java (Newstead 1906a, b)
<i>Pinnaspis dracaenae</i> (Cooley)	<i>Areca catechu</i> , <i>Dracaena cinnabari</i> , <i>Havea</i> sp., <i>H. brasiliensis</i> , <i>Pachira aquatica</i>	India, Indonesia, Sri Lanka, Yemen	Java (Green 1905)
<i>Pinnaspis javanensis</i> (Kuwana in Kuwana & Muramatsu)*	<i>Cocos</i> sp.	Indonesia	Java (Kuwana & Muramatsu 1931a)
<i>Pinnaspis longula</i> (Leonardi)*	<i>Persea</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Pinnaspis rombica</i> Leonardi*	<i>Persea</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Pinnaspis strachani</i> (Cooley)	Polyphagous on ornamentals and fruits in 74 families and 244 genera	Cosmopolitan, in 114 countries	Irian Jaya (Reyne 1961; Williams & Watson 1988a), Java (Ali 1969)
<i>Pseudaonidia</i> Cockerell			
<i>Pseudaonidia curculiginis</i> (Green)	<i>Corypha utan</i> , <i>Gardenia</i> sp., <i>Molineria capitulata</i>	Indonesia, Malaysia, Mongolia, Philippines, Singapore, Thailand, Vanuatu, Vietnam	Java (Green 1904; Sanders 1906; Marlatt 1908)
<i>Pseudaonidia duplex</i> Fernald	Polyphagous on ornamentals and fruits in 21 families and 32 genera	China, Georgia, Guam, Hawaiian Is, Hong Kong, India, Indonesia, Iran, Japan, South Korea, Sri Lanka, Taiwan, United States	Java (Balachowsky 1951)
<i>Pseudaonidia greeni</i> Marlatt*	<i>Mangifera indica</i>	Indonesia	Java (Marlatt 1908; Sanders 1909)
<i>Pseudaonidia trilobitiformis</i> (Green)	Polyphagous on ornamentals and fruits in 46 families and 107 genera	Cosmopolitan, in 78 countries	Java (Marlatt 1908)
<i>Pseudaulacaspis</i> MacGillivray			
<i>Pseudaulacaspis cockerelli</i> (Cooley)	Polyphagous on ornamentals and fruits in 84 families and 152 genera	Cosmopolitan, in 53 countries	Java (Green 1905), Sulawesi (Watson <i>et al.</i> 2014)

<i>Pseudaulacaspis multiducta</i> Williams & Watson*	Unidentified dicotyledonous plant	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Pseudaulacaspis papulosa</i> Williams & Watson*	<i>Casuarina</i> sp.	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Pseudaulacaspis pentagona</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 85 families and 221 genera	Cosmopolitan, in 111 countries	Java (Dammerman 1929; Balachowsky 1954; Suh 2016)
<i>Pseudaulacaspis papayae</i> (Takahashi)	<i>Carica</i> sp., <i>Musa</i> sp.	Indonesia, Thailand	Sumatra (Takagi 1960)
<i>Pseudaulacaspis varicosa</i> (Green)	<i>Suregada lanceolata</i> , <i>Litsea</i> sp., <i>Loranthus</i> sp., <i>Piper</i> sp., <i>P. nigrum</i>	India, Indonesia, Myanmar, Sri Lanka	Java (Green 1905)
<i>Radionaspis Ferris</i>			
<i>Radionaspis indica</i> (Marlatt)	<i>Mangifera indica</i>	British Virgin Is, Cape Verde, Cuba, Dominican Republic, Ecuador, Federated States of Micronesia, Hawaiian Is, India, Indonesia, Jamaica, Mexico, Palau, Panaman, Puerto Rico, Saint Lucia, United State	Java (Nakahara 1982)
<i>Rutherfordia MacGillivray</i>			
<i>Rutherfordia major</i> (Cockerell)	<i>Annona muricata</i> , <i>Cordia curassavica</i> , <i>C. lutea</i> , <i>C. myxa</i> , <i>Heliotropium</i> sp., <i>Vateria indica</i>	Cosmopolitan, in 26 countries	Java (Merrill 1953)
<i>Schizentaspis Mamet</i>			
<i>Schizentaspis loranthi</i> Mamet*	<i>Amaranthus</i> sp.	Indonesia	? (Mamet 1958; Borchsenius 1966)
<i>Sclopetaspis MacGillivray</i>			
<i>Sclopetaspis danumensis</i> Takagi*	Unknown	Indonesia	Kalimantan (Takagi 2000)
<i>Selenediella Mamet</i>			

<i>Selenediella mckenziei</i> (Takahashi)*	Unknown	Indonesia	Sumatera (Takahashi 1951; Mamet 1958; Borchsenius 1966)
<i>Semelaspis</i> MacGillivray <i>Semelaspis artocarp</i> (Green)	<i>Cinnamomum</i> sp., <i>Artocarpus</i> sp., <i>Piper nigrum</i>	India, Indonesia, Sri Lanka	Java (Green 1905)
<i>Silvestraspis</i> Bellio <i>Silvestraspis uberifera</i> (Lindinger)	<i>Artocarpus</i> sp., <i>Cinnamomum</i> <i>verum</i> , <i>Machilus japonica</i> , <i>Magnolia ashtonii</i> , <i>Mallotus</i> <i>philippe</i> , <i>Mussaendopsis</i> <i>beccariana</i> , <i>Syzygium hancei</i> , <i>S.</i> <i>jambos</i> , <i>S. kwangtungense</i>	China, Hong Kong, Cambodia, Indonesia, Malaysia, Philippines, Taiwan	Irian Jaya (Williams & Watson 1988a)
<i>Sinistraspis</i> MacGillivray <i>Sinistraspis unilateralis</i> (Newstead)	Polyphagous on ornamentals and fruits in 10 families and 15 genera	Barbados, India, Indonesia, Malaysia, Philippines	Kalimantan (Takagi 2000)
<i>Unaspis</i> MacGillivray <i>Unaspis citri</i> (Comstock)	Polyphagous on ornamentals and fruits in 14 families and 18 genera	Cosmopolitan, in 96 countries	Java (Kalshoven 1981), Kalimantan (Giliomee 1966)
<i>Unaspis yanonensis</i> (Kuwana)	<i>Citrus</i> sp., <i>C. japonica</i> , <i>C. maxima</i> , <i>C. reticulata</i> , <i>C. trifoliata</i> , <i>Damnacanthus</i> sp.	Cosmopolitan, in 20 countries	? (Blackburn & Miller 1984)
ERIOCOCCIDAE Cockerell			
<i>Gossyparia</i> Signoret <i>Gossypariella sulawesi</i> Kozár & Martin*	<i>Elmerridae ovalis</i> (Magnoliaceae)	Indonesia	Sulawesi (Kozár <i>et al.</i> 2007).
<i>Sangicoccus</i> Reyne <i>Sangicoccus obtusispinus</i> (Reyne)*	<i>Cocos nucifera</i>	Indonesia	Irian Jaya (Reyne 1961)
<i>Sangicoccus reynei</i> Kozár & Konczné Benedicty*	Arecaceae	Indonesia	Sulawesi (Kozár <i>et al.</i> 2009)
<i>Sangicoccus truncatispinus</i> (Reyne)	<i>Cocos nucifera</i> , <i>Nypa</i> sp.	Indonesia, Papua New Guinea, Philippines	Sulawesi (Reyne 1961)

KERMESIDAE Signoret***Reynvaania* Reyne**

<i>Reynvaania gallicola</i> Reyne*	<i>Quercus lineata</i>	Indonesia	Java, Sumatra (Reyne 1954b)
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LECANODIASPIDIDAE***Lecanodiaspis* Targioni Tozzetti**

<i>Lecanodiaspis baculifera</i> Leonardi*	<i>Mangifera</i> sp., <i>Viscum album</i>	Indonesia	Java (Leonardi 1907; Howell & Kosztarab 1972)
<i>Lecanodiaspis greeni</i> Takahashi*	Unidentified plant	Indonesia	Sumatra (Takahashi 1950; Howell & Kosztarab 1972)

***Psoraleococcus* Borchsenius**

<i>Psoraleococcus lombokanus</i> Lambdin & Kosztarab*	<i>Annona muricata</i>	Indonesia	Lombok (Lambdin & Kosztarab 1973)
<i>Psoraleococcus morrisoni</i> (Takahashi)*	On an unknown plant	Indonesia	Sumatra (Takahashi 1950; Howell & Kosztarab 1972; Lambdin <i>et al.</i> 1976)
<i>Psoraleococcus multicribratus</i> Lambdin & Kosztarab*	<i>Piper nigrum</i>	Indonesia	Sumatra (Lambdin & Kosztarab 1973)
<i>Anomalococcus multipori</i> Morrison	Dipterocarpaceae, <i>Nephelium lappaceum</i> , <i>Oncosperma horridum</i>	Indonesia, Philippines, Singapore	Sulawesi (Gavrilov-Zimin 2013; 2018b), Sumatra (Green 1930)
<i>Stictacanthus</i> Lambdin & Kosztarab			
<i>Stictacanthus azadirachtae</i> (Green)	<i>Azadirachta indica</i> , <i>Derris elliptica</i> , <i>D. malaccensis</i>	India, Indonesia, Sri Lanka	Sumatra (Reyne 1954a; Howell & Kosztarab 1972)

MONOPHLEBIDAE Signoret***Buchnericoccus* Reyne**

<i>Buchnericoccus javanus</i> Reyne*	Unidentified tree	Indonesia	Java (Reyne 1965a)
<i>Buchnericoccus reynei</i> Gavrilov-Zimin*	Under tree bark	Indonesia	Kalimantan (Gavrilov-Zimin 2018a)

***Drosicha* Walker**

<i>Drosicha minor</i> Reyne*	Host plant not indicated	Indonesia	Java (Reyne 1965a)
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<i>Drosicha saundersii</i> (Westwood)*	Host plant not indicated	Indonesia	? (Westwood 1845)
<i>Drosicha sumatrensis</i> Green*	Host plant not indicated	Indonesia	Sumatra (Green 1930)
<i>Drosicha townsendi</i> (Cockerell)	<i>Albizia saman</i> , <i>Cassia</i> sp., <i>Ficus nota</i> , <i>Gymnosporia emarginata</i> , <i>Hibiscus</i> sp., <i>Ipomoea</i> sp., <i>Syzygium aqueum</i>	Indonesia, Philippines	Flores (Gavrilov-Zimin 2017)
<i>Drosichoides</i> Morrison			
<i>Drosichoides haematoptera</i> (Cockerell)*	Host plant not indicated	Indonesia	Java (Reyne 1965a), Kalimantan (Cockerell 1919)
<i>Etropera</i> Bhatti & Gullan			
<i>Etropera papuensis</i> Bhatti & Gullan	<i>Terminalia kaernbachii</i>	Indonesia, Papua New Guinea	Irian Jaya (Gavrilov-Zimin 2013)
<i>Hemaspidoproctus</i> Morrison			
<i>Hemaspidoproctus cinereus</i> (Green)	<i>Acacia nilotica</i> , <i>Citrus</i> sp., <i>Grevillea</i> sp., <i>Lawsonia inermis</i> , <i>Liquidambar excelsa</i> , <i>Manilkara zapota</i> , <i>Punica granatum</i> , <i>Terminalia</i> sp., <i>Thespesia</i> sp., <i>Vachellia</i> sp.	Costarica, India, Indonesia, Sri Lanka	Java (Reyne 1965a)
<i>Icerya</i> Signoret			
<i>Icerya aegyptiaca</i> (Douglas)	Polyphagous on ornamentals and fruits in 59 families and 113 genera	Cosmopolitan, in 27 countries	Kalimantan (Williams & Miller 2010), Sulawesi (Watson <i>et al.</i> 2014)
<i>Icerya gaponiana</i> Gavrilov	Dicotyledonous tree	-	Irian Jaya (Gavrilov-Zimin 2013)

<i>Icerya imperatae</i> Rao	<i>Bambusa bambos</i> , <i>Brachiaria decumbens</i> , <i>Chloris barbata</i> , <i>Imperata</i> sp., <i>I. conferta</i> , <i>Oryza sativa</i> , <i>Ottochloa nodosa</i> , <i>Paspalum conjugatum</i> , <i>P. notatum</i> , <i>Pennisetum</i> sp., <i>Saccharum spontaneum</i> , <i>Sorghum</i> sp.	Australia, Brunai, Fiji, Indonesia, Malaysia, Palau, Philippines	Irian Jaya (Gavrilov-Zimin 2013)
<i>Icerya jacobsoni</i> Green	<i>Canarium kipella</i> , <i>Castilloa elastica</i> , <i>Citrus</i> sp., <i>Dipterocarpaceae</i> , <i>Dombeya acutangula</i> , <i>Eucalyptus</i> sp., <i>Leucaena leucocephala</i> , <i>Leucosyke capitellata</i> , <i>Litsea glutinosa</i> , <i>Macaranga carolinensis</i> , <i>M. tanarius</i> , <i>Neonauclea calycina</i> , <i>Oreocnide rubescens</i> , <i>Psidium guajava</i>	China, Federated States of Micronesia, Hongkong, Indonesia, Myanmar, Philippines, Thailand	Java (Green 1913; Prabhaker Rao 1951)
<i>Icerya nuda</i> Green*	<i>Dendrocalamus asper</i>	Indonesia	Sumatra (Green 1930)
<i>Icerya pulchra</i> (Leonardi)	<i>Calophyllum inophyllum</i> , <i>Citrus</i> sp., <i>Cocos nucifera</i> , <i>Croton</i> sp., <i>Ilex</i> sp., <i>Magnolia champaca</i> , <i>Mangifera</i> sp., <i>M. indica</i> , <i>Rhopaloblaste</i> sp., <i>Rosa</i> sp., <i>Theobroma cacao</i>	India, Indonesia, Japan, Philippines, Singapore	Java (Leonardi 1907; Prabhaker Rao 1951), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Prabhaker Rao 1951)
<i>Icerya purchasi</i> Maskell	Polyphagous on ornamentals and fruits in 68 families and 167 genera	Cosmopolitan, in 127 countries	Irian Jaya (CABI 2019), Java, Sulawesi, Sumatra (CABI 1971)

<i>Icerya samaraia</i> (Morrison)	Polyphagous on ornamentals and fruits in 25 families and 40 genera	Federated States of Micronesia, Indonesia, New Caledonia, Palau, Papua New Guine, Solomon Is	Bali (Gavrilov-Zimin 2017), Irian Jaya (Williams & Watson 1990; Gavrilov-Zimin 2013), Java (Reyne 1965b), Sulawesi (Gavrilov-Zimin 2013; Watson <i>et al.</i> 2014), Kalimantan (Gavrilov-Zimin 2020)
<i>Icerya seychellarum</i> (Westwood)	Polyphagous on ornamentals and fruits in 58 families and 128 genera	Cosmopolitan, in 48 countries	Irian Jaya (Williams & Watson 1990), Java, Sumatra (CABI 1955)
<i>Icerya sumatrana</i> Rao*	<i>Citrus</i> sp., <i>Erythrina</i> sp.	Indonesia	Java, Sumatra (Prabhaker Rao 1951)
<i>Icerya zimmermanni</i> Green	<i>Citrus</i> sp., <i>Ficus religiosa</i> , <i>Macaranga tanarius</i> , <i>Melastoma</i> sp.	India, Indonesia, Thailand	Java (Prabhaker Rao 1951)
Misracoccus Rao			
<i>Misracoccus serrei</i> (Vayssiere)*	Host plant not indicated	Indonesia	Java (Vayssière 1914; Vayssière 1926)
<u>Monophlebulus Cockerell</u>			
<u>Monophlebus</u> Guérin-Méneville			
<i>Monophlebus atripennis</i> Burmeister*	Host plant not indicated	Indonesia	Java (Signoret 1876; <u>Gavrilov-Zimin 2018a; 2021</u>)
<u><i>Monophlebus fabricii</i> Targioni Tozzetti*</u>	<u>Host plant not indicated</u>	<u>Indonesia</u>	<u>Sumatra (Fabricius 1805)</u>
<u>Monophlebulus Cockerell</u>			

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<i>Monophlebulus enarotalicus</i> Bhatti & Gullan*	Host plant not indicated	Indonesia	Irian Jaya (Bhatti & Gullan 1990)
<i>Monophloeus fabricii</i> Targioni Tozzetti*	Host plant not indicated	Indonesia	Sumatra (Fabricius 1805)
<i>Monophlebulus gressitti</i> Bhatti & Gullan*	Host plant not indicated	Indonesia	Irian Jaya (Bhatti & Gullan 1990)
<i>Monophlebus neglectus</i> Gavrilov-Zimin*	Host plant not indicated	Indonesia	Java (Gavrilov-Zimin 2018)
Walkeriana Signoret <i>Walkeriana tosariensis</i> Reyne*	<i>Casuarina junghuhniana</i>	Indonesia	Java (Reyne 1957)
ORTHEZIIDAE Amyot & Serville			
Insignorthezia Kozár <i>Insignorthezia insignis</i> (Browne)	Polyphagous on ornamentals and fruits in 45 families and 120 genera	Cosmopolitan, in 79 countries	Bali (Gavrilov-Zimin 2017), Java (Morrison 1925)
Nipponorthezinella Kozár <i>Nipponorthezinella guadalcanalia</i> (Morrison)	<i>Alpinia purpurata</i> , <i>Gardenia</i> sp.	Cosmopolitan, in 18 countries	Java (Williams & Miller 2010)
Ortheziola Šulc <i>Ortheziola hauseri</i> Konczné Benedicty & Kaydan	Host plant not indicated	Indonesia, Malaysia	? (Kaydan <i>et al.</i> 2014)
<i>Ortheziola peregovitsi</i> Kozár & Konczné Benedicty	<i>Quercus</i> sp. (Fagaceae)	Indonesia Malaysia, Philippines, South Korea.	Sumatra (Kaydan <i>et al.</i> 2014)
PSEUDOCOCCIDAE Cockerell			
Antonina Signoret <i>Antonina graminis</i> (Maskell)	Polyphagous on ornamentals and fruits in 4 families and 63 genera: Cyperaceae, Euphorbiaceae, Orchidaceae, Poaceae	Cosmopolitan, in 98 countries	Iria Jaya (Williams & Watson 1988b), Java (Ali 1970; Williams 1970; 2004), Sulawesi (Williams 2004), Sumatra (Giliomee 1966; Ali 1970; Williams 1970)

<i>Antonina milleri</i> Williams	<i>Bambusa</i> sp., <i>B. blumeana</i> , <i>B. emeiensis</i> , <i>B. pervariabilis</i> , <i>B. tuldoidea</i> , <i>Dendrocalamus latiflorus</i> , <i>Fargesia nitida</i> , <i>Indocalamus</i> sp., <i>Phyllostachys bambusoides</i> , <i>P. edulis</i> , <i>P. glauca</i> , <i>P. heteroclada</i> , <i>P. nigra</i> , <i>P. propinqua</i> , <i>Pleioblastus amarus</i> , <i>Sasa</i> sp., <i>S. sinica</i>	China, Indonesia, Malaysia, Philippines, Vietnam	Sumatra (Williams 2004)
<i>Antonina pretiosa</i> Ferris	<i>Arundinaria gigantea</i> , <i>Bambusa</i> sp., <i>B. multiplex</i> , <i>B. textilis</i> , <i>B. tuldoidea</i> , <i>B. vulgaris</i> , <i>Indocalamus tessellatus</i> , <i>Otatea aztecorum</i> , <i>Phyllostachys aurea</i> , <i>Pseudosasa disticha</i> , <i>P. disticha</i>	China, Cuba, Hawaiian Is, Hong Kong, Indonesia, Malaysia, Singapore, Taiwan, United States	Irian Jaya (Gavrilov-Zimin 2013)
<i>Antonina thaiensis</i> Takahashi	<i>Bambusa</i> sp., <i>Bambusa vulgaris</i> , <i>Phragmites</i> sp.	Indonesia, Malaysia, Philippines, Sri Lanka, Thailand	Java (Sartiami <i>et al.</i> 2016)
<i>Antonina zonata</i> Green	<i>Acidosasa nanunica</i> , <i>A. venusta</i> , <i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. blumeana</i> , <i>Davidsea attenuata</i> , <i>Sasa sinica</i>	China, India, Indonesia, Malaysia, Philippines, Sri Lanka	Sumatra (Green 1930)
Archeomyrmococcus Williams <i>Archeomyrmococcus dolichoderi</i> Williams*	<i>Coffea</i> sp.	Indonesia	Sumatra (Williams 2002, 2004)
Brevennia Goux <i>Brevennia (Brevennia) rehi</i> (Lindinger)	Arecaceae, <i>Cyperus</i> sp., <i>C. iria</i> , <i>C. michelianus</i> , <i>C. rotundus</i> , <i>C. serotinus</i> , <i>Fimbristylis argentea</i> , <i>F. quinquangularis</i> , <i>F. tenera</i> , Poaceae	Cosmopolitan, in 28 countries	Java (Van Heurn 1923; Williams 1970)
Chaetococcus Maskell			

<i>Chaetococcus bambusae</i> (Maskell)	<i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. blumeana</i> , <i>B. multiplex</i> , <i>B. textilis</i> , <i>B. vulgaris</i> , <i>Dendrocalamus</i> sp., <i>D. asper</i> , <i>D. brandisii</i> , <i>D. giganteus</i> , <i>D. latiflorus</i> , <i>D. minor</i> , <i>D. strictus</i> , <i>Gigantochloa</i> sp., <i>G. verticillata</i> , <i>G. verticillata</i> , <i>Indosasa shibataeoides</i> , <i>Lingnania chungii</i> , <i>L. chungii</i> , <i>Miscanthus</i> sp., <i>Phyllostachys</i> sp., <i>P. nigra</i> , <i>Schizostachyum</i> sp.	Cosmopolitan, in 45 countries	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Williams 2004; Sartiami <i>et al.</i> 2016)
<i>Crisicoccus</i> Ferris			
<i>Crisicoccus cambodiensis</i> (Takahashi)	On undetermined host	Cambodia, Indonesia	Bali (Gavrilov-Zimin 2017)
<i>Crisicoccus kimanisicus</i> Williams	On undetermined host	Indonesia, Malaysia	? (Gavrilov-Zimin 2017)
<i>Crisicoccus strigilis</i> Gavrilov	On twigs of dicotyledonous tree		Irian Jaya (Gavrilov-Zimin 2013)
<i>Crisicoccus theobromae</i> Williams & Watson	<i>Neonauclea cyrtopoda</i> , <i>Nephelium lappaceum</i> , <i>Punica granatum</i> , <i>Theobroma cacao</i>	Indonesia, Malaysia, Papua New Guinea, Philippines	Sulawesi (Williams 2004), Sumatra (Williams 2004)
<i>Dicranococcus</i> Williams			
<i>Dicranococcus montanus</i> (Reyne)	In the nest of <i>Dolichoderus</i> sp. ant that lives on unidentified tree	Indonesia	Java (Reyne 1954a; Ben-Dov 1994; Williams 1978; Williams 2004)
<i>Dorsoceraricoccus</i> Dong & Wu			
<i>Dorsoceraricoccus muajatae</i> (Williams)*	Pteridaceae	Indonesia	Sulawesi (Williams 2004)
<i>Dysmicoccus</i> Ferris			

<i>Dysmicoccus boninsis</i> (Kuwana)	Polyphagous on ornamentals and fruits in 12 families and 63 genera: Arecae, Arecaceae, Ateraceae, Cannaceae, Convulvulaceae, Cupressaceae, Iridaceae, Pandanaceae, Poaceae, Rutaceae, Solanaceae, Vitaceae	Cosmopolitan, in 60 countries	Sumatra (Williams 2004)
<i>Dysmicoccus brevipes</i> (Cockerell)	Polyphagous on ornamentals and fruits in 62 families and 147 genera	Cosmopolitan, in 126 countries	Irian Jaya (Williams & Watson 1988a), Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Sumatra (Williams 2004)
<i>Dysmicoccus comitatus</i> Williams & Watson*	In ants' nest	Indonesia	Iria Jaya (Williams & Watson 1988a; Ben-Dov 1994)
<i>Dysmicoccus debregeasiae</i> (Green)	Polyphagous on ornamentals and fruits in 15 families and 18 genera: Asteraceae, Euphorbiaceae, Fabaceae, Lauraceae, Loranthaceae, Malvaceae, Moraceae, Myrtaceae, Polygonaceae, Rosaceae, Rubiaceae, Rutaceae, Sapotaceae, Urticaceae, Zingiberaceae	Bangladesh, Guadeloupe, India, Indonesia, Malaysia, Nepal, Sri Lanka	Java, Sulawasi, Sumatra (Williams 2004)
<i>Dysmicoccus finitimus</i> Williams	<i>Areca catechu</i> , <i>Cocos nucifera</i> , <i>Corypha utan</i>	Adam Is, Christmas I., Cocos Is, India, Indonesia, Malaysia, Maldives, Phillippines, Sri Lanka	Java, Sumatra (Williams 2004)

<i>Dysmicoccus lepelleyi</i> (Betrem)	Polyphagous on ornamentals and fruits in 17 families and 25 genera: Anacardiaceae, Annonaceae, Arecaceae, Asparagaceae, Clusiaceae, Euphorbiaceae, Fagaceae, Malvaceae, Meliaceae, Moraceae, Musaceae, Myrtaceae, Rubiaceae, Rutaceae, Sapinsaceae, Sapotaceae, Zingiberaceae	Cambodia, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Lombok, Sumatra (Williams 2004)
<i>Dysmicoccus maclayi</i> Gavrilov*	Dicotyledonous tree	Indonesia	Irian Jaya (Gavrilov-Zimin 2013)
<i>Dysmicoccus neobrevipes</i> Beardsley	Polyphagous on ornamentals and fruits in 39 families and 63 genera	Cosmopolitan, in 41 countries	Flores (Gavrilov-Zimin 2017)
<i>Dysmicoccus orchidum</i> Williams	<i>Bulbophyllum</i> sp., <i>Cymbidium finlaysonianum</i> , <i>Dendrobium</i> sp., <i>D. dearei</i> , <i>D. heterocarpum</i> , <i>D. schuetzei</i> , <i>D. wardianum</i> , <i>Grammatophyllum scriptum</i> , <i>Phaius flavus</i> , <i>Phalaenopsis</i> sp., <i>P. amabilis</i> , <i>P. aphrodite</i> , <i>P. lueddemanniana</i> , <i>P. sanderiana</i> , <i>P. schilleriana</i> , <i>Spathoglottis</i> sp., <i>Vanda</i> sp., <i>V. coerulea</i> , <i>V. lamellata</i> , <i>V. limbata</i>	India, Indonesia, Malaysia, Philipphines, Singapore, Thailand	? (Williams 2004)
<i>Exallomochlus</i> Williams			
<i>Exallomochlus hispidus</i> (Morrison)	Polyphagous on ornamentals and fruits in 27 families and 40 genera.	Indonesia, Italy, Malaysia, Philippines, Singapore, Thailand, Vietnam	Java (Betrem 1937; Wirjati 1958; Ben-Dov 1994; Williams 1970, 2004), Sumatra (Green 1930; Williams 1970, 2004), Sumba (Williams 2004)

<i>Exallomochlus sulawesicus</i> Williams*	<i>Aglaia</i> sp., <i>Bruguiera</i> sp., <i>Ficus</i> sp., <i>Neonauclea lanceolata</i> , Sapindaceae, <i>Theobroma cacao</i> , Urticaceae	Indonesia	Sulawesi (Williams 2004; Gavrilov-Zimin 2013)
<i>Extanticoccus</i> Williams			
<i>Extanticoccus javanensis</i> Williams*	<i>Bambusa</i> sp.	Indonesia	Java (Williams 2004)
<i>Ferrisia</i> Fullaway			
<i>Ferrisia dasylirii</i> (Cockerell)	Polyphagous on ornamentals and fruits in 23 families and 52 genera	Cosmopolitan, in 23 countries	Sumatra (Zarkani <i>et al.</i> 2020)
<i>Ferrisia virgata</i> (Cockerell)	Polyphagous on ornamentals and fruits in 78 families and 207 genera	Cosmopolitan, in 101 countries	Irian Jaya (Williams & Watson 1988b; Gavrilov-Zimin 2013), Java (Keuchenius 1915; Betrem 1937; Ali 1968; Ben-Dov 1994; Williams 2004), Sulawesi (Williams 2004)
<i>Formicococcus</i> Takahashi			
<i>Formicococcus dispersus</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Formicococcus lingnani</i> (Ferris)	<i>Areca catechu</i> ; <i>Cyperus rotundus</i> ; <i>Oryza sativa</i> ; <i>Saccharum officinarum</i> ; <i>Sorghum bicolor</i>	China, India, Indonesia, Malaysia, Thailand	Java (Williams 2004)
<i>Formicococcus sibolangiticus</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Hippeococcus</i> Reyne			
<i>Hippeococcus bundericus</i> Williams*	On undetermined host	Indonesia	Java (Williams 2002, 2004)
<i>Hippeococcus rappardi</i> Reyne*	Burseraceae, <i>Eugenia</i> sp., <i>Eupatorium</i> sp., <i>Ficus variegata</i> , <i>Litsea confusa</i> , <i>Rubus</i> sp.	Indonesia	Java (Reyne 1954a; Ben-Dov 1994)
<i>Hippeococcus wegneri</i> Reyne*	<i>Asparagus aethiopicus</i> , <i>Cyclanthera brachystachya</i> , <i>Diospyros kaki</i> , <i>Piper</i> sp.	Indonesia	Java (Reyne 1954a; Ben-Dov 1994; Williams 2004)
<i>Hordeolicoccus</i> Williams			

<i>Hordeolicoccus eugeniae</i> (Takahashi)	<i>Eugenia</i> sp., <i>Nephelium lappaceum</i> , <i>Saraca thaipingensis</i>	Indonesia, Malaysia, Singapore	Java (Williams 2004)
<i>Hordeolicoccus heterotrichus</i> Williams	Burseraceae, <i>Crypteronia griffithii</i> , <i>Eugenia</i> , <i>Garcinia mangostana</i> , <i>Knema</i> sp., <i>Neonauclea</i> sp., <i>Saraca thaipingensis</i> , <i>Nephelium lappaceum</i>	Cambodia, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Sulawesi (Williams 2004)
<i>Lanceacoccus</i> Williams			
<i>Lanceacoccus australasiacus</i> Williams*	<i>Breynia cernua</i>	Indonesia	Java, Sulawesi (Williams 2004)
<i>Komodesia</i> Gavrilov-Zimin			
<i>Komodesia circuliplurima</i> (Gavrilov-Zimin)*	Poaceae	Indonesia	Flores (Gavrilov-Zimin 2016)
<i>Leptococcus</i> Reyne			
<i>Leptococcus metroxyli</i> Reyne	<i>Ananas</i> sp., <i>Cocos nucifera</i> , <i>Metroxylon</i> sp.	Indonesia, Papua New Guinea	Irian Jaya (Williams & Watson, 1988b)
<i>Leptococcus sakai</i> (Takahashi)	<i>Gnetum tenuifolium</i> , <i>Nipa</i> sp.	Malaysia	Sulawesi (Williams 2004)
<i>Maconellicoccus</i> Ezzat			
<i>Maconellicoccus hirsutus</i> (Green)	Polyphagous on ornamentals and fruits in 78 families and 222 genera.	Cosmopolitan, in 79 countries	Bali (Williams 2004), Flores (Gavrilov-Zimin 2017), Irian Jaya (Williams 1996), Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Lombok (Williams 1996, 2004), Sulawesi (Williams 1996; Watson <i>et al.</i> 2014), Sumatra (Williams 1996)

<i>Maconellicoccus multipori</i> (Takahashi)	<i>Alectryon</i> sp., <i>Averrhoa carambola</i> , <i>Crypteronia griffithii</i> , <i>Daemonorops</i> sp., <i>Durio</i> sp., <i>Endospermum diadenum</i> , <i>Garcinia</i> sp., <i>Gironniera parvifolia</i> , <i>Shorea</i> sp., <i>Macaranga conifera</i> , <i>M. gigantea</i> , <i>M. hullettii</i> , <i>M. hypoleuca</i> , <i>M. triloba</i> , <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Piper betle</i> , <i>P. nigrum</i> , <i>Poikilospermum</i> sp., <i>Theobroma cacao</i>	India, Indonesia, Malaysia, Nepal, Philippines, Singapore, Thailand	Sumatra (Williams 2004)
Mollicoccus Williams			
<i>Mollicoccus guadalcanalanus</i> Williams	<i>Pipturus</i> sp.	Indonesia, Solomon Is	Irian Jaya (Gavrilov-Zimin 2013)
Malaicoccus Takahashi			
<i>Malaicoccus riouwensis</i> Takahashi*	<i>Piper</i> sp.	Indonesia	Sumatra (Ben-Dov 1994; Takahashi 1950; Williams, 1978, 2004)
<i>Malaicoccus sumatranus</i> Williams*	<i>Poikilospermum</i> sp.	Indonesia	Sumatra (Williams 2002)
Mutabilicoccus Williams			
<i>Mutabilicoccus vanheurni</i> (Reyne)	<i>Artocarpus</i> sp., <i>Theobroma cacao</i>	Indonesia, Papua New Guinea	Irian Jaya (Williams & Watson 1988b)
Nipaecoccus Šulc			
<i>Nipaecoccus nipae</i> (Maskell)	Polyphagous on ornamentals and fruits in 49 families and 106 genera	Cosmopolitan, in 59 countries	Java (Williams 2004)
<i>Nipaecoccus pseudofilamentosus</i> (Betrem)*	<i>Citrus</i> sp., <i>Coffea arabica</i> , <i>Erythrina</i> sp.	Indonesia	Java (Betrem 1937; Ben-Dov 1994)
<i>Nipaecoccus viridis</i> (Newstead)	Polyphagous on ornamentals and fruits in 45 families and 114 genera	Cosmopolitan, in 63 countries	Irian Jaya (CABI 1983; Ben-Dov 1994), Java (CABI 1983; Ben-Dov 1994; Williams 2004), Sulawesi (Williams 2004)

Palmicultor Williams*Palmicultor lumpurensis* (Takahashi)

Arundinaria sp., *Bambusa* sp., *B. blumeana*, *B. multiplex*, *B. ventricosa*, *B. vulgaris*, *Bashania yongdeensis*, *Chimonobambusa* sp., *Dendrocalamus hamiltonii*, *Gigantochloa atrovioleacea*, *Guadua angustifolia*, *Lingnania cerosissima*, *L. chungii*, *Phyllostachys edulis*, *P. glauca*, *P. pubescens*, *P. nigra*, *Pseudosasa japonica*, *Sphaerobambos philippinensis*

Australia, China, France, Hongkong, Indonesia, Malaysia, Philippines, South Korea, United States, Vietnam

Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)

Palmicultor palmarum (Ehrhorn)

Acacia asak, *Areca catechu*, *Borassus flabellifer*, *Caryota mitis*, *Cocos nucifera*, *Dyopsis lutescens*, *Elaeis guineensis*, *Freycinetia* sp., *Hyophorbe indica*, *Licuala* sp., *Phoenix roebelenii*, *Phyllostachys* sp., *Roystonea regia*, *Thrinax* sp., *Washingtonia filifera*

Cosmopolitan, in 30 countries

Java, Sulawesi, Sumatra (Williams 2004)

Paracoccus Ezzat & McConnell*Paracoccus evae* Williams*

Eupatorium sp., *Poaceae*

Indonesia

Java (Williams 2004)

<i>Paracoccus interceptus</i> Lit	<i>Annona cherimola</i> , <i>Artocarpus</i> sp., <i>Bambusa</i> sp., <i>Citrus aurantiifolia</i> , <i>Cynometra cauliflora</i> , <i>Dendrobium</i> sp., <i>Dimocarpus longan</i> , <i>Durio</i> sp., <i>Ficus</i> sp., <i>Garcinia mangostana</i> , <i>Hoya pachyclada</i> , <i>Lansium</i> <i>domesticum</i> , <i>Litchi chinensis</i> , <i>Mangifera indica</i> , <i>Melastoma</i> sp., <i>Neonauclea</i> sp., <i>Nephelium</i> <i>lappaceum</i> , <i>Piper nigrum</i> , <i>Platonia</i> <i>esculenta</i> , <i>Psidium guajava</i> , <i>Rhynchostylis retusa</i> , <i>Spondias</i> <i>dulcis</i> , <i>Strychnos vanprukii</i> , Zingiberaceae	Benin, Brunei, India, Cambodia, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam	Irian Jaya (Williams 2004; Gavrilov-Zimin 2013)
<i>Paracoccus marginatus</i> Williams & Granara de Willink	Polyphagous on ornamentals and fruits in 49 families and 136 genera	Cosmopolitan, in 51 countries	Bali (Ahmed <i>et al.</i> 2015), Java, Sulawesi (Muniappan <i>et al.</i> 2008)
Paraputo Laing			
<i>Paraputo acehicus</i> Williams	<i>Neonauclea</i> sp.		Sumatra (Williams 2004)
<i>Paraputo corbetti</i> (Takahashi)	<i>Mangifera indica</i>	Indonesia, Malaysia	Java (Williams 2004)
<i>Paraputo errabundus</i> Williams	<i>Neonauclea</i> sp., <i>Rhizophora</i> sp., <i>Xylocarpus</i> sp.	Andaman Is, Brunei, Indonesia	Sulawesi (Williams 2004)
<i>Paraputo leveri</i> (Green)	<i>Balanophora</i> sp., <i>Bischofia</i> <i>javanica</i> , <i>Cocos nucifera</i> , <i>Coffea</i> <i>arabica</i> , <i>C. canephora</i> , <i>Colocasia</i> <i>esculenta</i> , <i>Ficus</i> sp., <i>F. septica</i> , <i>Inocarpus fagifer</i> , <i>Mangifera</i> <i>indica</i> , <i>Syzygium aromaticum</i> , <i>Vitis</i> <i>vinifera</i>	American Samoa, Federated States of Micronesia, Fiji, Indonesia, Malaysia, Papua New Guinea, Solomon Is, Thailand, Tonga, Vanuatu, Western Samoa	Java (Williams 2004)
<i>Paraputo mangiferae</i> (Betrem)*	<i>Mangifera indica</i>	Indonesia	Java (Betrem 1937; Ben- Dov 1994)
<i>Paraputo martini</i> Williams*	<i>Pothos</i> sp.	Indonesia	Sulawesi (Williams 2004)

<i>Paraputo maschwitzi</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo moogi</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo neonaucleae</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo odontomachi</i> (Takahashi)	<i>Bischofia</i> sp., <i>Crypteronia griffithii</i> , <i>C. macrophylla</i> , <i>Elaeocarpus petiolatus</i> , <i>Garcinia mangostana</i> , <i>Neonauclea</i> sp.	India, Malaysia, Philippines, Singapore, Vietnam	Sumatra (Williams 2004)
<i>Paraputo palmicola</i> Williams*	<i>Arecaceae</i>	Indonesia	Sulawesi (Williams 2004)
<i>Paraputo pandanicola</i> Williams* ⁺	<i>Pandanus</i> sp.	Indonesia	? (Williams 2004)
<i>Paraputo riparius</i> Williams*	<i>Sapindaceae</i>	Indonesia	Sulawesi (Williams 2004)
Pedrococcus Mamet			
<i>Pedrococcus glandulitubulatus</i> Gavrilov-Zimin*	On leaf of undefined tree	Indonesia	Bali (Gavrilov-Zimin 2017b)
Phenacoccus Cockerell			
<i>Phenacoccus manihoti</i> Matile-Ferrero	<i>Boerhavia diffusa</i> , <i>Citrus</i> sp., <i>Cyperus</i> sp., <i>Glycine max</i> , <i>Manihot esculenta</i> , <i>Ocimum</i> sp., <i>Sida rhombifolia</i> , <i>Solanum</i> sp., <i>Talinum triangulare</i>	Cosmopolitan, in 37 countries	Java (Muniappan <i>et al.</i> 2011), Bali (Supartha <i>et al.</i> 2020)
<i>Phenacoccus parvus</i> Morrison	Polyphagous on ornamentals and fruits in 27 families and 59 genera	Cosmopolitan, in 45 countries	Sumatra (Williams 2004)
<i>Phenacoccus solenopsis</i> Tinsley	Polyphagous on ornamentals and fruits in 64 families and 204 genera	Cosmopolitan, in 49 countries	Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)
Planococcus Ferris			

<i>Planococcus angkorensis</i> (Takahashi) ⁺	Polyphagous on ornamentals and fruits in 17 families and 23 genera: Anacardiaceae, Apodidae, Daphniphyllaceae, Dioscoreaceae, Euphorbiaceae, Fabaceae, Loganiaceae, Lythraceae, Meliaceae, Moraceae, Myrtaceae, Piperaceae, Primulaceae, Rubiaceae, Sapindaceae, Scrophulariaceae, Urticaceae	China, India, Indonesia, Cambodia, Malaysia, Philippines, Taiwan, Thailand, Vietnam	Lombok, Sumatra (Williams 2004)
<i>Planococcus citri</i> (Risso) ⁺	Polyphagous on ornamentals and fruits in 83 families and 196 genera	Cosmopolitan, in 161 countries	Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Kalimantan, Sulawesi (CABI 1995), Sumatra (Green 1930)
<i>Planococcus dischidiae</i> (Takahashi)	<i>Dischidia</i> sp.	Indonesia, Malaysia	Sulawesi (Cox 1989; Ben-Dov 1994; Williams 2004)
<i>Planococcus lilacinus</i> (Cockerell)	Polyphagous on ornamentals and fruits in 36 families and 71 genera	Cosmopolitan, in 34 countries	Bali (CABI 1995), Flores (Gavrilov-Zimin 2017), Irian Jaya (Williams & Watson 1988b; Ben-Dov 1994), Java (Newstead 1908; Betrem 1937; Williams 2004), Kalimantan (Cox 1989; Ben-Dov 1994), Lombok (CABI 1995), Sulawesi (Gavrilov-Zimin 2013), Sumatra (Williams 2004)

<i>Planococcus minor</i> (Maskell) ⁺	Polyphagous on ornamentals and fruits in 73 families and 196 genera	Cosmopolitan, in 64 countries	Irian Jaya (Ben-Dov 1994) (Williams & Watson 1988b), Java (Williams 2004), Kalimantan (Cox 1989; Ben-Dov, 1994), Lombok, Sulawesi (Williams, 2004), Sumatra (Cox 1989; Ben-Dov, 1994; Williams 2004)
<i>Planococcus sulawesi</i> Cox*	<i>Ficus</i> sp., Urticaceae	Indonesia	Sulawesi (Cox 1989; Ben-Dov 1994; Williams 2004)
<i>Pseudococcus</i> Westwood <i>Pseudococcus aurantiacus</i> Williams	<i>Averrhoa carambola</i> , <i>Callerya nieuwenhuisii</i> , <i>Crypteronia griffithii</i> , <i>Garcinia mangostana</i> , <i>Lansium domesticum</i> , <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Ryparosa fasciculata</i> , <i>Schefflera</i> sp., <i>Strychnos vanprukii</i>	Brunei, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Sumatra (Williams 2004)
<i>Pseudococcus baliteus</i> Lit	<i>Artocarpus odoratissimus</i> , <i>Citrus aurantium</i> , <i>Dimocarpus longan</i> , <i>Dracaena</i> sp., <i>Durio zibethinus</i> , <i>Ficus elastica</i> , <i>Garcinia mangostana</i> , <i>Litchi chinensis</i> , <i>Nephelium lappaceum</i> , <i>Osbornia octodonta</i> , <i>Poikilospermum suaveolens</i> , <i>Pouteria</i> sp., <i>Psidium guajava</i> , <i>Syzygium</i> sp.	Cambodia, China, India, Indonesia, Myanmar, Philipphines, Singapore, Thailand, Vietnam	Sulawesi (Williams 2004)
<i>Pseudococcus calceolariae</i> (Maskell)	Polyphagous on ornamentals and fruits in 44 families and 81 genera	Cosmopolitan, in 34 countries	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus comstocki</i> (Kuwana)	Polyphagous on ornamentals and fruits in 43 families and 67 genera	Cosmopolitan, in 34 countries	Java (Betrem 1937; Ben-Dov 1994)

<i>Pseudococcus cryptus</i> Hempel	Polyphagous on ornamentals and fruits in 42 families and 73 genera	Cosmopolitan, in 42 countries	Lombok (Williams 2004), Sulawesi (Williams 2004; Watson <i>et al.</i> 2014), Sumatra (Williams 2004)
<i>Pseudococcus dendrobiorum</i> Williams	<i>Ascoglossum calopteryx</i> , <i>Cymbidium</i> sp., <i>Dendrobium</i> sp., <i>D. bigibbum</i> , <i>D. canaliculatum</i> , <i>D. discolor</i> , <i>D. johnsoniae</i> , Orchidaceae sp., <i>Phalaenopsis sanderiana</i> , <i>P. schilleriana</i> , <i>Pholidota</i> sp., <i>Pomatocalpa spicatum</i>	Australia, Guam, Hawaiian Is, India, Indonesia, Malaysia, Papua New Guinea, Philippines, South Korea, Sri Lanka, Thailand, United States	? (Ben-Dov 1994; Williams 1985, 2004)
<i>Pseudococcus gilbertensis</i> Beardsley ⁺	<i>Asparagus cochinchinensis</i> , <i>Bischofia javanica</i> , <i>Calophyllum</i> sp., <i>C. inophyllum</i> , <i>Citrus</i> sp., <i>Ci. japonica</i> , <i>Chrysophyllum cainito</i> , <i>Ligustrum sinense</i> , <i>Lycium</i> sp., <i>Mangifera indica</i> , <i>Fabaceae</i> , <i>Ficus</i> sp., <i>Gnetum gnemon</i>	Bonin Is, Indonesia, Kiribati, Philippines	Sulawesi (Williams 2004)
<i>Pseudococcus jackbeardsleyi</i> Gimpel & Miller	Polyphagous on ornamentals and fruits in 52 families and 112 genera	Cosmopolitan, in 52 countries	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Williams 2004)
<i>Pseudococcus longispinus</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 84 families and 167 genera	Cosmopolitan, in 115 countries	Irian Jaya (Ben-Dov 1994; Williams & Watson 1988b), Java (Betrem 1937; Ben-Dov 1994), Lombok (Williams 2004), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Green 1930)

<i>Pseudococcus maritimus</i> (Ehrhorn)	Polyphagous on ornamentals and fruits in 44 families and 71 genera	Argentina, Armenia, Bermuda, Brazil, Canada, Chile, Colombia, French Guiana, Georgia, Guadeloupe, Guatemala, Indonesia, Madeira Is, Mexico, Poland, Puerto Rico & Vieques, United States	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus pseudocitriculus</i> Betrem	<i>Coffea canephora</i> , <i>Sonchus arvensis</i> , <i>Tephrosia vogelii</i>	Indonesia	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus saccharicola</i> Takahashi	<i>Arundo donax</i> , <i>Brachiaria mutica</i> , <i>Chloris barbata</i> , <i>C. radiata</i> , <i>Cynodon dactylon</i> , <i>Eriochloa polystachya</i> , <i>Imperata</i> , <i>Oryza sativa</i> , Poaceae, <i>Saccharum bengalense</i> , <i>S. officinarum</i> , <i>S. robustum</i> , <i>S. spontaneum</i> , <i>Sorghum halepense</i>	Andaman Is, Bangladesh, British Virgin Is, India, Indonesia, Malaysia, Pakistan, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand	Java (Wirjati 1959; Ben-Dov 1994; Williams 2004)
<i>Pseudococcus viburni</i> (Signoret)	Polyphagous on ornamentals and fruits in 88 families and 242 genera	Cosmopolitan, in 59 countries	Java (Williams 2004)
<i>Rastrococcus Ferris</i>			
<i>Rastrococcus balinensis</i> Buchner*	Host plant not indicated	Indonesia	Bali (Buchner 1957)
<i>Rastrococcus biggeri</i> Williams & Watson	<i>Ficus</i> sp., <i>Isonia spectabilis</i> , <i>Macaranga tanarius</i> , Poaceae	Indonesia, Philippines, Solomon Is	Irian Jaya (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus chinensis</i> Ferris	<i>Alocasia</i> sp., <i>Ardisia lindleyana</i> , <i>Eugenia</i> sp., <i>Melastoma malabathricum</i> , <i>Morinda umbellata</i> , <i>Psychotria asiatica</i> , <i>Syzygium</i> sp., <i>S. anomalum</i> , <i>S. hancei</i>	Brunei, China, Indonesia, Malaysia	Java (Ben-Dov 1994; Williams 1989, 2004)

<i>Rastrococcus expeditionis</i> Williams*	Sapotaceae	Indonesia	Irian Jaya (Gavrilov-Zimin 2013), Sulawesi (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus invadens</i> Williams	Polyphagous on ornamentals and fruits in 29 families and 54 genera	Cosmopolitan, in 32 countries	Bali, Java (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus jabadiu</i> Williams	<i>Clausena excavata</i> , <i>Ficus ampelas</i> , <i>Nephelium lappaceum</i> , <i>Sandoricum</i> sp.	Indonesia, Philippines, Singapore, Thailand	? (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus kendariensis</i> Gavrilov*	On leaf of dicotyledonous tree	Indonesia	Sulawesi (Gavrilov-Zimin 2013)
<i>Rastrococcus neoguineensis</i> Williams & Watson	<i>Cocos nucifera</i> , <i>Ficus</i> sp., <i>Harpullia</i> sp., <i>Heritiera littoralis</i>	Papua New Guinea	Irian Jaya (Williams & Watson 1988b; Ben-Dov 1994)
<i>Rastrococcus rubellus</i> Williams	<i>Citrus aurantium</i> , <i>C. maxima</i> , <i>C. microcarpa</i> , <i>Mangifera indica</i> , <i>Mallotus</i> sp., <i>M. paniculatus</i> , <i>Plumeria rubra</i>	Hong Kong, Indonesia, Laos, Malaysia, Sri Lanka	Java (Williams 2004)
<i>Rastrococcus spinosus</i> (Robinson)	Polyphagous on ornamentals and fruits in 19 families and 24 genera	Bangladesh, Brunei, Cambodia, India, Indonesia, Laos, Malaysia, Pakistan, Philippines, Singapore, Taiwan, Thailand, Vietnam	Bali (Williams 1989, 2004), Java (Green 1922; Betrem 1937; Williams 2004), Lombok (Williams 2004), Sulawesi (Williams 1989, 2004), Sumatra (Williams 2004)
<i>Rastrococcus vicorum</i> Williams & Watson	<i>Citrus</i> sp., <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>C. reticulat</i> , <i>Coffea</i> sp., <i>Plumeria rubra</i> , <i>Psidium guajava</i>	Indonesia, Malaysia, Papua New Guinea	Sulawesi (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus wilsoni</i> Williams*	On stem of young tree	Indonesia	Sumatra (Williams 2004)
<i>Saccharicoccus Ferris</i>			

<i>Saccharicoccus sacchari</i> (Cockerell)	<i>Cocos nucifera</i> , <i>Cortaderia</i> sp., <i>Cymbopogon caesius</i> , <i>Imperata cylindrica</i> , <i>Miscanthus floridulus</i> , <i>M. sinensis</i> , <i>Oryza sativa</i> , <i>Phragmites</i> sp., <i>Saccharum</i> sp., <i>S. officinarum</i> , <i>S. sinense</i> , <i>S. spontaneum</i> , <i>Sorghum bicolor</i> , <i>So. halepense</i>	Cosmopolitan, in 78 countries	Java (CABI 1959; Ben-Dov 1994; Williams 2004)
RHIZOECIDAE Williams			
<i>Eumyrmococcus</i> Silvestri			
<i>Eumyrmococcus falciculosus</i> (Williams)*	Primary forest litter	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus kruiensis</i> Williams*	In soil of dammar plantation	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus lanuginosus</i> Williams*	In the nest of unidentified ant	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus sulawesicus</i> Williams*	Toraut forest	Indonesia	Sulawesi (Williams 1998)
<i>Geococcus</i> Green			
<i>Geococcus coffeae</i> Green	Polyphagous on roots of ornamentals and fruits in 30 families and 56 genera	Cosmopolitan, in 58 countries	Java (Williams 1969; Ben-Dov 1994), Sulawesi (Williams 2004)
<i>Geococcus hauseri</i> Williams	In forest soil	Indonesia, Malaysia	Sumatra (Williams 2004)
<i>Leptorhizoecus</i> Williams			
<i>Leptorhizoecus deharvengi</i> Williams*	<i>Hevea</i> sp.	Indonesia	Sumatra (Williams 1998, 2004)
<i>Ripersiella</i> Tinsley			
<i>Ripersiella bedosae</i> (Williams)*	Leaf litter	Indonesia	Sumatra (Williams 2004)
<i>Ripersiella multiporifera</i> Jansen	<i>Dracaena</i> sp., <i>D. angustifolia</i> , <i>D. surculosa</i> , <i>Hoya kerrii</i> , [<i>Sansevieria</i>] = <i>Dracaena</i> sp.	China, Indonesia, Malaysia, Thailand, Vietnam	? (Jansen 2008)
<i>Ripersiella sumatrensis</i> (Williams)*	Primary forest soil, extracted by Berlese apparatus	Indonesia	Sumatra (Williams 2004)
<i>Rhizoecus</i> Künckel d'Herculais			

<i>Rhizoecus amorphophalli</i> Betrem	<i>Amorphophallus</i> sp., <i>A. variabilis</i> , <i>Asplenium</i> sp., <i>Colocasia</i> <i>esculenta</i> , <i>Cordyline fruticosa</i> , <i>Curcuma longa</i> , <i>Dioscorea</i> <i>elephantipes</i> , <i>Kaempferia galanga</i> , <i>Zingiber officinale</i> , <i>Z. zerumbet</i>	Federated States of Micronesia, Guadeloupe, Hawaiian Is, India, Indonesia, Malaysia, Philippines, Thailand, United Kingdom, Vietnam	Java (Betrem 1940; Ben- Dov 1994; Williams 2004), Sumatra (Williams 2004)
<i>Rhizoecus pignerator</i> Williams*	Extracted from soil by Berlese apparatus	Indonesia	Sumatra (Williams 2004)
<i>Xenococcus Silvestri</i>			
<i>Xenococcus acropygae</i> Williams	<i>Cocos nucifera</i> , <i>Vitis vinifera</i>	Australia, India, Indonesia, Malaysia, Papua New Guinea, Philippines, Singapore, Solomon Is, Vietnam	Java (Williams 2004), Sulawesi (Williams 1998; Williams 2004)

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IG-Z review 21May2021

Please, find the text with some my corrections and comments. The main problems are the following:

1) The family Acleridae has been missed by the authors. At least *Aclerda pseudozoysae* and *A. takahashii* were described/recorded from Indonesia (see Gavrilov-Zimin, 2012).

2) There is an ambiguity concerning Borneo (=Kalimantan). Some species, described/recorded by Gavrilov-Zimin (and may be by other authors?) from Malaysian Borneo were included in the Indonesian checklist table, but some others were not included. For example, *Buchnericoccus reynei* Gavrilov-Zimin, 2018 (known only from the type locality in Malaysian Borneo (Sabah)) is present in the table, but *Iderya oculicatricata* Gavrilov-Zimin, 2018, described from the same locality, is not present, etc.

3) *Eremostoma klugei* Gavrilov-Zimin, 2018 (from Java) and *Crambostoma largecaticosum* Gavrilov-Zimin, 2018 (from Sabah) are absent from the table, as well as the appropriate higher taxon (both these genera were described in family Margarodidae: subfamily Callipappinae. ScaleNet consider these in the “family Coelostomiidae”, but there is not any scientific publication with the arguments of this change; it is simply an unscientific voluntaristic activity of an anonymous person in ScaleNet).

A checklist of Indonesian scale insects (Hemiptera: Coccoomorpha)

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Abstract

Scale insects (Hemiptera: Sternorrhyncha: Coccoomorpha) are a very important insect group containing numerous pests of woody and herbaceous plants worldwide. The only complete study of any scale insects in Indonesia was by D.J. Williams on the mealybugs (family Pseudococcidae), published in 2004; the other scale insect families have only been documented in various small publications. Here we provide a complete checklist of the scale insects of Indonesia, which now contains 353 species belonging to 124 genera in 11 families. The family Diaspididae is the most diverse, with 113 species in 43 genera, followed by Pseudococcidae with 103 species in 31 genera, and Coccidae with 65 species in 22 genera. The other families covered are: Monophlebidae (27 species in 8 genera), Rhizoecidae (13 species in 6 genera), Asterolecaniidae (11 species in 5 genera), Leconodiaspididae (7 species in 3 genera), Cerococcidae (5 species in 3 genera), Ortheziidae (4 species in 2 genera), Eriococcidae (4 species in 2 genera), and Kermesidae (1 species, 1 genus).

Key words: alien species, Coccoidea, Indonesia, Sternorrhyncha, systematic list,

Introduction

Indonesia is the largest archipelago country in the world, consisting of about 17,504 Is spread across 1,910,931 km² (CBD Secretariat 2021). As one of the twelve “mega-diverse countries”, Indonesian biodiversity has mostly been measured for higher plants, exotic tropical fruits, vertebrates, and invertebrates including insects (McNeely *et al.* 1990). Indonesian flora diversity represents 10% of the world’s flowering plants, estimated at 25,000 species of which about 55% are indigenous. For faunal diversity, Indonesia has 12% of the world’s mammals, about 515 species, 16% of the world’s reptiles (781 species), and 35 species of primate. Further, 17% of the world’s birds (about 1,592 species) and 270 species of amphibians live in Indonesia (CBD Secretariat 2021). Its high species diversity is the result of an unique geological and evolutionary history combined with the wide variety of habitats associated with over 17,000 Is, large and small (Arifin & Nakagoshi 2011).

The documentation of insect species in Indonesia first started in the British, Dutch and Japan colonial eras, respectively, resulting in the description of many Indonesian native species as new to science. After Dammerman (1929) described many species in the agricultural zoology of the Malay Archipelago, and Wirjati (1958; 1959) published small papers on Indonesian scale insects. Kalshoven (1981) published a monumental textbook entitled “Pests of Crops in Indonesia” that listed almost all the pest insect species living in Indonesia, including scale insect pests (Hemiptera: Sternorrhyncha; Coccothraupidae). Although listing of the Indonesian insect fauna was started by foreign scientists a long time ago, it is still incomplete. In the last five years, more than a hundred new insect species were identified in Indonesia (Riedel & Narakusumo 2019). The geographic dimension of Indonesian biodiversity, particularly species endemism across geographical gradients, is not well accounted for. There are many new species and new distribution records that have not been investigated yet.

For Indonesia, the only comprehensive review made of any scale insect family is for the mealybugs (family Pseudococcidae *sensu lato*), which were documented in the large monograph for the region of southern Asia by Williams (2004). The monograph described 354 species in 62 genera of Pseudococcidae *sensu lato*, including all the valid species names recorded from Indonesia. Further small contributions on the scale insect fauna of Indonesia have been made by Muniappan *et al.* (1999; 2011; 2012), Sartiami *et al.* (2016), Gavrilov-Zimin (2013; 2017; 2019) and Zarkani *et al.* (2020) recorded several additions to the fauna. To date, the documentation of scale insect species has been continued sporadically and incompletely.

Most slide mounts of scale insects from Indonesia in major world museums were collected from Java Island. However, the scale insect fauna of the other large Is like Kalimantan, New Guinea, Sulawesi and Sumatra are only fragmentarily represented in these collections. In addition, the scale insects of most of the numerous small Indonesian islands have never been studied. Here we have explored the literature and listed the scale insect species recorded living in Indonesia to date.

Materials and methods

In this study, the scale insect taxa recorded from Indonesia and their distributions have been listed and arranged as a systematic catalog in alphabetical order, taking into account recent taxonomic changes. The species listed are based on the published literature. Species recorded as plant quarantine interceptions are indicated with a plus mark (+), whilst species native to Indonesia according to Williams (2014) and García Morales *et al.* (2016) are indicated by an asterisk (*) after the species name. Furthermore, the unknown locations of species that were first found in Indonesia are indicated with a question mark (?). In cases where no information was given about the species, this is indicated by a dash (—). The distribution information for the species is given according to the five largest Is in Indonesia; namely Sumatra, Java, Kalimantan, Sulawesi, Irian Jaya (part of New Guinea), Bali and Flores.

Result and discussion

In this study, we update the list of Coccothraupidae for Indonesia, which now contains 353 species belonging to 124 genera in 11 families. The number of species in Indonesia has increased slowly in the last 16 years, by 53 species (one-sixth of the previous list). Although the species listed mostly have an Indo-Malayan distribution, 111 are regarded as

cosmopolitan species. The family Diaspididae is the most diverse, with 113 species in 43 genera, followed by Pseudococcidae with 103 species in 31 genera, and Coccidae with 65 species in 22 genera. The other families covered are: Monophlebidae (27 species in 8 genera), Rhizoecidae (13 species in 6 genera), Asterolecaniidae (11 species in 5 genera), Lecanodiaspididae (7 species in 3 genera), Cerococcidae (5 species in 3 genera), Ortheziidae (4 species in 2 genera), Eriococcidae (4 species in 2 genera), and Kermesidae (1 species, 1 genus) (Table 1).

Formatted: Indonesian

Study of the checklist revealed that about 108 of the scale insect species are endemic to Indonesia. This reflects Indonesia's biodiversity, which has a large number of indigenous medicinal plants, flowering plants, mammals, reptiles and birds (CBD Secretariat 2021). In terms of Indonesian insect diversity, however, this biodiversity has not been clearly stated. The high species richness of both flora and fauna in Indonesia is affected by the geographical location of the Is, astride major sea lanes connecting East Asia, South Asia and Oceania, with altitudes between 0 and 5000 meters above sea level. Indonesia is also split by the equator; almost all of it has a tropical climate classified as Af, a hot, humid climate with the minimum and maximum temperatures averaging 23–28°C and a relative humidity of 70–90%. As a transcontinental country, Indonesia consists of Is geologically considered as part of either Asia or Australia. At the beginning of the last ice age (around 20,000–10,000 years ago), the western part of Indonesia (including Bali, Java, Kalimantan and Sumatra) merged with the Asian continent, while the eastern part of Indonesia (the Sahul Plain) was integrated with the Australian continent (Lohman *et al.* 2011).

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Table 1. A checklist of scale insect species of Indonesia. Symbols used: intercepted insect-species (+); native scale insects-species (*); unknown locations (?); and no information available (—). The distribution information is based on the five largest islands in Indonesia: Sumatra, Java, Kalimantan, Sulawesi, Irian Jaya (part of New Guinea), Bali and Flores.

Taxon	Host plant	World distribution	Distribution in Indonesia
ASTEROLECANIIDAE Cockerell			
<i>Asterolecanium</i> Targioni Tozzetti			
<i>Asterolecanium borneense</i> Russell*	<i>Lithocarpus nieuwenhuisii</i>	Indonesia	Kalimantan (Russell 1941)
<i>Asterolecanium garciniae</i> Russell*	<i>Garcinia mangostana</i>	Indonesia	Java (Russell 1941)
<i>Asterolecanium javae</i> Russell*	<i>Ficus ampelas</i> , <i>F. montana</i>	Indonesia	Java (Russell 1941)
<i>Asterolecanium litseae</i> Kuwana	<i>Litsea caulocarpa</i> , <i>L. luzonica</i> , <i>Neolitsea sericea</i> , <i>Psychotria arborescens</i>	Indonesia, Japan, Malaysia, Philippines	? (Kuwana 1916)
<i>Asterolecanium unguatum</i> Russell	<i>Durio zibethinus</i>	Indonesia, Singapore	Java (Russell 1941)
Bambusaspid Cockerell			
<i>Bambusaspid amboinae</i> (Russell)*	<i>Neololeba atra</i>	Indonesia	Maluku (Russell 1941)
<i>Bambusaspid bambusae</i> (Boisduval)	<i>Acalypha</i> sp., <i>A. wilkesiana</i> , <i>Dianthus</i> sp., <i>Diospyros</i> sp., Orchidaceae, <i>Persea americana</i> , <i>Platyclusus orientalis</i> , Poaceae	Cosmopolitan, in 74 countries	Sumatra (Gavrilov-Zimin 2019)
Hyalococcus Russell			
<i>Hyalococcus striatus</i> (Russell)	<i>Citrus</i> sp.	Indonesia, Singapore	Java (Russell 1941)
Pauroaspis Tang			
<i>Pauroaspis daedalea</i> Gavrilov	<i>Bambusa</i> sp.	Indonesia, Thailand	Irian Jaya, Sumatra (Gavrilov-Zimin 2019)
Russellaspis Bodenheimer			
<i>Russellaspis pustulans pustulans</i> (Cockerell)	Polyphagous on ornamentals and fruits in 67 families and 156 genera	Cosmopolitan, in 75 countries	Irian Jaya (Williams & Watson 1990)
<i>Russellaspis sumatrae</i> (Russell)*	<i>Lithocarpus hystrix</i>	Indonesia	Sumatra (Russell 1941)
CEROCOCCIDAE Balachowsky			
Antecerooccus Green			

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<i>Antecerooccus albospicatus</i> (Green)	<i>Camellia</i> sp., <i>Symplocos</i> sp., <i>S. obtusa</i>	Indonesia, Sri Lanka	Java (Lambdin & Kosztarab 1977)
<i>Antecerooccus ornatus</i> (Green)	<i>Canthium coromandelicum</i> , <i>Carissa</i> sp., <i>Ca. carandas</i> , <i>Coffea arabica</i> , <i>Co. canephora</i> , <i>Dovyalis caffra</i> , <i>Ixora coccinea</i> , <i>Psychotria</i> sp., <i>P. elliptica</i>	India, Pakistan, Singapore, South Africa, Sri Lanka, Taiwan	? (Hua 2000)
<i>Cerochiton</i> Balachowsky			
<i>Cerochiton bernardi</i> Hodgson & Williams*	<i>Theaceae</i> sp.	Indonesia	Java (Hodgson & Williams 2016)
<i>Cerochiton javanensis</i> (Lambdin & Kosztarab)*	<i>Grewia ferruginea</i>	Indonesia	Java (Lambdin & Kosztarab 1977)
<i>Cerococcus</i> Maskell			
<i>Cerococcus indonesiensis</i> Lambdin & Kosztarab*	<i>Piper nigrum</i>	Indonesia	? (Lambdin & Kosztarab 1977)
COCCIDAE Fallén			
<i>Ceroplastes</i> Gray			
<i>Ceroplastes actiniformis</i> Green	Polyphagous on ornamentals and fruits in 13 families and 17 genera	Brazil, Canary Is, China, Egypt, Hong Kong, India, Indonesia, Israel, Sri Lanka	Java (Green 1930; Ali 1971), Sumatra (Ali 1971)
<i>Ceroplastes ceriferus</i> (Fabricius)	Polyphagous on ornamentals and fruits	Cosmopolitan, in 45 countries	<u>Java, Krakatau?</u> (Beardsley 1986; Williams & Miller 2010)
<i>Ceroplastes cirripediformis</i> Comstock	Polyphagous on ornamentals and fruits in 65 families and 132 genera	Cosmopolitan, in 32 countries	Java (Green 1904)
<i>Ceroplastes floridensis</i> Comstock	Polyphagous on ornamentals and fruits in 67 families and 153 genera	Cosmopolitan, in 71 countries	Irian Jaya (Ben-Dov 1993), Java (Green 1904; Mamet 1943), Sulawesi (CABI 2019)
<i>Ceroplastes magnificus</i> (Green)*	<i>Mangifera odorata</i> , <i>Syzygium aqueum</i>	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Ceroplastes rubens</i> Maskell	Polyphagous on ornamentals and fruits in 82 families and 186 genera	Cosmopolitan, in 47 countries	Java (Hamon & Williams 1984)

<i>Ceroplastes rusci</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 46 families and 74 genera	Cosmopolitan, in 57 countries	Irian Jaya (Ben-Dov 1993)
<i>Ceroplastes sinensis</i> Del Guercio	Polyphagous on ornamentals and fruits in 82 families and 186 genera	Cosmopolitan, in 47 countries	Sulawesi (Gavrilov-Zimin 2013)
<i>Ceroplastes stellifer</i> (Westwood)	Polyphagous on ornamentals and fruits in 22 families and 44 genera	Cosmopolitan, in 58 countries	Irian Jaya (Kalshoven 1981)
<i>Ceroplastes sumatrensis</i> Reyne*	Dicotyledonous shrub or tree	Indonesia	Sumatra (Ali 1971)
Coccus Linnaeus			
<i>Coccus caviramicolus</i> Morrison	<i>Macaranga</i> sp., <i>M. bancana</i> , <i>M. griffithiana</i>	Indonesia Malaysia and Singapore	? (Ben-Dov 1993)
<i>Coccus celatus</i> De Lotto	Polyphagous on ornamentals and fruits in 10 families and 17 genera	Cosmopolitan, in 17 countries	Irian Jaya, Sulawesi (Gavrilov-Zimin 2013)
<i>Coccus discrepans</i> (Green)	Polyphagous on ornamentals and fruits in 9 families and 11 genera	India, Indonesia, Japan, Pakistan, Singapore, Sri Lanka, Taiwan	Sumatra (Ali 1971)
<i>Coccus formicarii</i> (Green)	Polyphagous on ornamentals and fruits in 30 families and 44 genera	Cosmopolitan, in 11 countries: China, Hong Kong, India, Laos, Madagascar, Malaysia, Nepal, Sri Lanka, Taiwan, Thailand	? (Ben-Dov 1993)
<i>Coccus heckrothi</i> Gullan & Kondo	<i>Macaranga aetheadenia</i> , <i>M. bancana</i> , <i>M. hosei</i> , <i>M. indistincta</i> , <i>M. rufescens</i> , <i>M. trachyphylla</i>	Indonesia, Malaysia	Kalimantan (Gullan <i>et al.</i> 2018)
<i>Coccus hesperidum hesperidum</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 124 families and 362 genera	Cosmopolitan, in 142 countries	Irian jaya (Ben-Dov 1993), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Ali 1971)
<i>Coccus hesperidum javanensis</i> (Newstead)*	<i>Coffea liberica</i> , <i>Taxus baccata</i>	Indonesia	Java (Newstead 1908)
<i>Coccus longulus</i> (Douglas)	Polyphagous on ornamentals and fruits in 54 families and 139 genera	Cosmopolitan, in 70 countries	Sumatra (Ali 1971)
<i>Coccus opimus</i> (Green)	<i>Cassia fistula</i>		Java (Sasscer 1915)

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Comment [p2]: Please delete this host plant. The reported paper in ScaleNet deals with *Coccus hesperidum* only

<i>Coccus penangensis</i> Morrison	<i>Macaranga angulata</i> , <i>M. bancana</i> , <i>M. glandibracteolata</i> , <i>M. hullettii</i> , <i>M. indistincta</i> , <i>M. petanostyla</i> , <i>M.</i> <i>trachyphylla</i> , <i>M. triloba</i>	Brunei, Indonesia, Malaysia, Singapore	Sumatra (Gullan <i>et al.</i> 2018)
<i>Coccus sulawesicus</i> Gavrillov*	Dicotyledonous shrub	Indonesia	Sulawesi (Gavrillov-Zimin 2013)
<i>Coccus tenebricophilus</i> (Green)* <i>Coccus viridis</i> (Green)	<i>Erythrina variegata</i> Polyphagous on ornamentals and fruits in 61 families and 144 genera	Indonesia Cosmopolitan, in 93 countries	Java (Green 1904) Bali (Gavrillov-Zimin 2017), Irian Jaya (Kondo 2013), Java (Ali 1971; Kondo 2013), Sulawesi (Gavrillov-Zimin 2013), Sumatra (Ali 1971)
<i>Ctenochiton</i> Maskell			
<i>Ctenochiton carinatus</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Ctenochiton formicophilus</i> Green*	Collected from nest of ants	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Ctenochiton inclusus</i> Green*	Collected from nest of ants	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Discochiton</i> Hodgson & Williams			
<i>Discochiton cocophyllae</i> (Banks)	<i>Calamus</i> sp., <i>Cocos nucifera</i> , <i>Dillenia philippinensis</i> , <i>Dypsis</i> <i>lutescens</i> , <i>Rhapis excelsa</i> , <i>R.</i> <i>humilis</i> , <i>Sabal minor</i>	Cambodia, Japan, Indonesia, Malaysia, Philippines, Singapore, Thailand	Sulawesi (Hodgson & Williams 2018)

Comment [p3]: Riau island, Rempang
(Takahashi, 1951)

<i>Discochiton expansum</i> (Green)	<i>Annona reticulata</i> , <i>Dalbergia</i> sp., <i>Dendrotrophe frutescens</i> , <i>Drypetes</i> sp., <i>Ficus macrophylla</i> , <i>F.</i> <i>microcarpa</i> , <i>F. pumila</i> , <i>F. retusa</i> , <i>Gymnacranthera</i> sp., <i>Litsea</i> <i>glutinosa</i> , <i>Mimusops</i> sp., <i>Morella</i> <i>rubra</i> , <i>Machilus thunbergii</i> , <i>Myristica fragrans</i> , <i>Neolitsea</i> <i>zeylandica</i> , <i>Polyalthia longifolia</i> , <i>Viscum orientale</i> , Zingiberaceae	Australia, Hong Kong, India, Indonesia, Japan, Laos, Papua New Guinea, Taiwan, Thailand, Vietnam	Java (Green 1904; Ali 1971)
<i>Discochiton javanicum</i> (Green)*	<i>Anomianthus heterocarpus</i>	Indonesia	Java (Hodgson & Williams 2018)
<i>Discochiton metallicum</i> (Green)	<i>Annona muricata</i> , <i>Durio</i> <i>zibethinus</i> , <i>Myristica</i> sp., <i>M.</i> <i>fragrans</i>	Indonesia, Malaysia, Philippines, Singapore, Thailand	Java (Green 1904; Ali 1971)
<i>Discochiton milleri</i> (Takahashi)	<i>Annona muricata</i> , <i>Cocos nucifera</i> , <i>Elaeis</i> sp., <i>Ficus religiosa</i> , <i>Mangifera indica</i>	Brunei, Indonesia, Malaysia, Vietnam	Java (Hodgson & Williams 2018)
<i>Discochiton papillatum</i> Hodgson	<i>Coelogyne prolifera</i> , <i>Elaeis</i> <i>guineensis</i> , <i>Piper nigrum</i>	Brunei, India, Indonesia, Malaysia, Thailand	Sumatra? (Hodgson & Williams 2018)
<i>Discochiton quadratum</i> (Green)	<i>Calophyllum inophyllum</i> , <i>Diplodiscus paniculatus</i> , <i>Garcinia</i> sp., <i>Myristica fragrans</i> , <i>Scolopia</i> <i>oldhamii</i>	Indonesia, Japan, Laos, Philippines, Sri Lanka, Taiwan	Java (Ali 1971)
<i>Discochiton rotundum</i> (Green)	<i>Rhizophora mucronata</i>	Indonesia, Malaysia	Java (Green 1904)
<i>Discochiton trifasciatum</i> (Green)	<i>Drypetes sumatrana</i> , <i>Michelia</i> sp., <i>Piper nigrum</i>	Indonesia, Malaysia, Sri Lanka	Java (Hodgson & Williams 2018)
<i>Discochiton vacuum</i> (Morrison)	<i>Annona muricata</i> , <i>Cinnamomum</i> <i>verum</i> , <i>Cocos nucifera</i> , <i>Ficus</i> sp., <i>F. kurzii</i> , <i>Rhizophora</i> sp.	Brunei, Indonesia, Malaysia, Singapore, Taiwan	Riou Is.? (Takahashi, 1950; Ben-Dov 1993)
<i>Drepanococcus</i> Williams & Watson			

<i>Drepanococcus chiton</i> (Green)	<i>Aleurites</i> sp., <i>Annona muricata</i> , <i>Calophyllum inophyllum</i> , <i>Camellia sinensis</i> , <i>Carica papaya</i> , <i>Citrus aurantiifolia</i> , <i>Colubrina</i> sp., Fabaceae, <i>Ficus benjamina</i> , <i>F. retusa</i> , <i>Grevillea papuana</i> , <i>Litsea</i> sp., <i>Semecarpus</i> sp., <i>Solanum melongena</i> , <i>Theobroma cacao</i> , <i>Thespesia populnea</i>	Andaman Is, China, India, Indonesia, Laos, Malaysia, Papua New Guinea, Solomon Is, Sri Lanka, Taiwan, Thailand, Vietnam	Irian Jaya (Williams & Watson 1990), Java (Ali 1971)
<i>Eucalymnatus</i> Cockerell & Parrott <i>Eucalymnatus tessellatus</i> (Signoret)	Polyphagous on ornamentals and fruits in 55 families and 110 genera	Cosmopolitan, in 77 countries	Java (Green 1904; Ali 1971)
<i>Inglisia</i> Maskell <i>Inglisia speciosa</i> Takahashi* <i>Kilifia</i> De Lotto <i>Kilifia deltoides</i> De Lotto	Host plant not indicated <i>Adiantum</i> sp., <i>Anacardium occidentale</i> , <i>Callistemon</i> sp., <i>Camellia</i> sp., <i>Eugenia</i> sp., <i>Cinnamomum</i> sp., <i>Mangifera indica</i> , <i>Psidium guajava</i>	Indonesia China, Comoros, Indonesia, Kenya, Malaysia, Reunion, Tanzania, Zanzibar	? (Ali 1971) Java (Ben-Dov 1993)
<i>Luzulaspis</i> Cockerell <i>Luzulaspis australis</i> (Maskell)	<i>Aristida ramosa</i> , <i>Eragrostis australasica</i> , Poaceae sp., <i>Saccharum officinarum</i> , <i>Yakirra majuscula</i>	Australia, Indonesia	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)
<i>Megalocryptes</i> Takahashi <i>Megalocryptes bambusicola</i> (Green)	<i>Bambusa multiplex</i>	Indonesia, Vietnam	Sumatra (Green 1930; Ali 1971)
<i>Megapulvinaria</i> Yang			

Comment [p4]: Riou Islands (Takahashi, 1951)

<i>Megapulvinaria maxima</i> (Green)	Polyphagous on ornamentals and fruits in 15 families and 24 genera: Anacardiaceae, Annonaceae, Euphorbiaceae, Fabaceae, Malvaceae, Melastomataceae, Meliaceae, Moraceae, Nyctaginaceae, Phyllanthaceae, Piperaceae, Rhamnaceae, Rubiaceae, Rutaceae, Urticaceae	Federated States of Micronesia, India, Indonesia, Laos, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam	Java (Green, 1904; Ali 1971; Hodgson 1994)
<i>Milviscutulus Williams & Watson</i> <i>Milviscutulus mangiferae</i> (Green)	Polyphagous on ornamentals and fruits in 42 families and 82 genera	Cosmopolitan, in 63 countries	Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Green 1904), Sulawesi (Gavrilov-Zimin 2013)
<i>Milviscutulus spiculatus</i> Williams & Watson	<i>Epipremnum</i> sp., <i>Ficus septica</i> , <i>F. theophrastoides</i> , <i>Gyrocarpus</i> sp., <i>Mangifera indica</i> , <i>Persea americana</i> , <i>Rhizophora apiculata</i> , <i>Timonius</i> sp.	Indonesia, Papua New Guinea, Solomon Is	Irian Jaya (Williams & Watson 1990)
<i>Paralecanium Cockerell</i> <i>Paralecanium acinaces</i> Hodgson*	On leaf of tree	Indonesia	Bali (Hodgson & Williams 2018)
<i>Paralecanium claviseta</i> Hodgson*	<i>Banksia</i> sp.	Indonesia	Sulawesi (Hodgson & Williams 2018)
<i>Paralecanium maculatum</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971; Hodgson & Williams 2018)
<i>Paralecanium minutum</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Paralecanium neomaritimum</i> Takahashi,	<i>Avicennia</i> sp., <i>Rhizophora</i> sp., <i>Syzygium calubcob</i>	Brunei, Indonesia, Malaysia	Sulawesi (Hodgson & Williams 2018)
<i>Paralecanium ovatum</i> Morrison	<i>Cyrtostachys renda</i> , <i>Pandanus</i> sp.	Indonesia, Malaysia, Papua New Guinea, Singapore	? Rempang (Ben-Dov 1993; Takahashi, 1950)

Comment [p5]: Riau Islands (Takahashi, 1950)

Comment [p6]: Riau Islands (Takahashi, 1950)

Parasaissetia Takahashi*Parasaissetia nigra* (Nietner)Polyphagous on ornamentals and
fruits in 95 families and 261 generaCosmopolitan, in 125
countriesIrian Jaya (Gavrilov-Zimin
2013), Java (CABI 1997),
Sumatra (Ali 1968, 1971)**Platylecanium Cockerell & Robinson***Platylecanium cocotis* Laing*Alpinia purpurata*, *Cocos nucifera*Indonesia, Papua New
Guinea, Solomon Is,
VanuatuIrian Jaya (Gavrilov-Zimin
2013)*Platylecanium elongatum* Takahashi*

Arecaceae

Indonesia

Sumatra (Ali 1971)

Platylecanium riouwense Takahashi*

Host plant not indicated

Indonesia

Sumatra (Ali 1971)

Prococcus Avasthi*Prococcus acutissimus* (Green)Polyphagous on ornamentals and
fruits in 29 Families and 42 GeneraCosmopolitan, in 22
countries

Sumatra (Ben-Dov 1993)

Pulvinaria Targioni Tozzetti*Pulvinaria cacao* Williams & Watson*Theobroma cacao*Indonesia, Papua New
GuineaIrian Jaya (Gavrilov-Zimin
2013)*Pulvinaria psidii* MaskellPolyphagous on ornamentals and
fruits in 67 families and 141 generaCosmopolitan, in 98
countriesFlores (Gavrilov-Zimin 2017),
Irian Jaya (Ben-Dov 1993;
CABI 1994), Java (Green
1904; CABI 1994), Sulawesi
(CABI 1994), Sumatra (CABI
1994)**Saccharolecanium Williams***Saccharolecanium krugeri* (Zehntner)*Saccharum* sp., *S. officinarum*India, Indonesia, Malaysia,
Sri Lanka

Java (Hodgson 1994)

Saissetia Soumalainen*Saissetia coffeae* (Walker)Polyphagous on ornamentals and
fruits in 107 families and 294
generaCosmopolitan, in 119
countriesIrian Jaya (Kalshoven 1981),
Java (Green 1904), Sulawesi
(Watson *et al.* 2014), Sumatra
(Ali 1971; Watson *et al.* 2014)
Irian Jaya (Ben-Dov 1993)*Saissetia miranda* (Cockerell & Parrott
in Cockerell)Polyphagous on ornamentals and
fruits in 26 families and 58 generaCosmopolitan, in 36
countries**Comment [p7]:** Both Riau Is, (Takahashi, 1951)

<i>Saissetia oleae oleae</i> (Olivier)	Polyphagous on ornamentals and fruits in 77 families and 217 genera	Cosmopolitan, in 104 countries	Java (Green 1904)
Takahashilecanium Kondo <i>Takahashilecanium rotundum</i> (Takahashi)	Host plant not indicated	Brunei, Indonesia	Sumatra, <u>Riau is, Rempang</u> (<u>Takahashi, 1951</u> Ali 1971)
Tectopulvinaria Hempel <i>Tectopulvinaria latidigitata</i> Gavrilov-Zimin*	On twig of unidentified tree	Indonesia	Bali (Gavrilov-Zimin 2017)
Xenolecanium Takahashi <i>Xenolecanium takahashii</i> Kondo*	<i>Eugenia</i> sp.	Indonesia	Sumatra (<u>Rempang, Riau Islands</u> (Kondo <i>et al.</i> 2005)
DIASPIDIDAE Targioni Tozzetti			
Acanthaspidotus Borchsenius & Williams <i>Acanthaspidotus pustulans</i> (Green)*	<i>Erythrina variegata</i>	Indonesia	Java (Green 1905; Sanders 1906)
Allantomytilus Leonardi <i>Allantomytilus dacryoides</i> Williams & Watson*	On unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
Aonidiella Berlese & Leonardi <i>Aonidiella aurantii</i> (Maskell)	Polyphagous on ornamentals and fruits in 84 families and 178 genera	Cosmopolitan, in 88 countries	Java (Green 1904; Kalshoven 1981; Dao <i>et al.</i> 2018) ? (Nakahara 1982)
<i>Aonidiella citrina</i> (Coquillett)	Polyphagous on ornamentals and fruits in 26 families and 42 genera	Cosmopolitan, in 53 countries	
<i>Aonidiella inornata</i> McKenzie	Polyphagous on ornamentals and fruits in 24 families and 32 genera	Cosmopolitan, in 26 countries	Irian Jaya (Williams & Watson 1988a)
Aspidiella Leonardi <i>Aspidiella sacchari</i> (Cockerell)	<i>Alocasia</i> sp., <i>Casearia aculeata</i> , Poaceae	Cosmopolitan, in 37 countries	? (Nakahara 1982)
Aspidiotus Bouché			

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<i>Aspidiotus destructor</i> Signoret	Polyphagous on ornamentals and fruits in 71 families and 130 genera	Cosmopolitan, in 96 countries	Irian Jaya (Williams & Watson 1988a), Java (Green 1904)
<i>Aspidiotus excisus</i> Green	Polyphagous on ornamentals and fruits in 24 families and 27 genera	Cosmopolitan, in 47 countries	Java, Sumatra (Kalshoven 1981)
<i>Aspidiotus nerii</i> Bouché	Polyphagous on ornamentals and fruits in 120 families and 329 genera	Cosmopolitan, in 74 countries	? (Suh 2016)
<i>Aspidiotus rigidus</i> (Reyne)	<i>Cocos nucifera</i> , <i>Dypsis lutescens</i> , <i>Chrysalidocarpus lutescens</i> , <i>Garcinia mangostana</i> , <i>Musa</i> sp., <i>Nypa fruticans</i>	Indonesia, Palau, Philippines	Bali (Kalshoven 1981), Flores (Watson <i>et al.</i> 2015), Java (Kalshoven 1981), Sulawesi (Reyne 1947, 1948; Watson <i>et al.</i> 2014)
<i>Aulacaspis</i> Cockerell			
<i>Aulacaspis depressa</i> (Zehntner)	<i>Saccharum bengalense</i>	China, India, Philippines	Java (Zehntner 1897)
<i>Aulacaspis hedyotidis</i> (Green)	<i>Durio zibethinus</i> , <i>Hedyotis lawsoniae</i> , <i>Mallotus</i> sp., <i>Mangifera</i> sp., <i>Oldenlandia auricularia</i> , <i>Pleiocraterium verticillare</i>	India, Indonesia, Malaysia, Pakistan, Sri Lanka, Taiwan	Java (Green 1905)
<i>Aulacaspis javanensis</i> Newstead*	Ericaceae sp.	Indonesia	Java (Newstead 1906b)
<i>Aulacaspis madiunensis</i> (Zehntner)	<i>Arundo</i> sp., <i>Cycas</i> sp., <i>Cymbopogon</i> sp., <i>Cyperus papyrus</i> , <i>Ischaemum</i> sp., <i>Oplismenus</i> sp., <i>Pandanus</i> sp., <i>Phragmites</i> sp., <i>Saccharum arundinaceum</i> , <i>S. officinarum</i> , <i>S. spontaneum</i>	Cosmopolitan, in 21 countries	Java (Zehntner 1898; Kalshoven 1981), Sumatra (Beardsley 1966)
<i>Aulacaspis marina</i> Takagi & Williams	<i>Xylocarpus</i> sp., <i>Bruguiera</i> sp., <i>Rhizophora apiculata</i> , <i>R. mucronata</i>	Indonesia, Malaysia, Philippines	Bali (Takagi & Williams 1998)
<i>Aulacaspis penzigi</i> (Leonardi)*	<i>Ilex</i> sp.	Indonesia	Java (Leonardi 1907)

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<i>Aulacaspis robusta</i> Takahashi	<i>Aegle marmelos</i> , <i>Ardisia</i> sp., <i>A. sieboldii</i>	Hongkong, Indonesia, Taiwan	Kalimantan (Takagi 2018)
<i>Aulacaspis sumatrensis</i> Green	<i>Cocos nucifera</i> , <i>Mangifera indica</i> , <i>M. odorata</i> , <i>Nypa fruticans</i>	Indonesia, New Caledonia, Philippines, Mindanao, Vanuatu	Sumatra (Green 1930)
<i>Aulacaspis tegalensis</i> (Zehntner)	<i>Cymbidium</i> sp., <i>Phoebe</i> sp., <i>Pluchea indica</i> , <i>Saccharum</i> sp., <i>S. arundinaceum</i> , <i>S. bengalense</i> , <i>S. officinarum</i> , <i>S. spontaneum</i> , <i>Sorghum halepense</i> , <i>Smilax china</i> , <i>Trachycarpus fortunei</i>	Cosmopolitan, in 218 countries	Java (Zehntner 1898)
<i>Aulacaspis thorntoni</i> Williams & Miller	<i>Calophyllum inophyllum</i> , <i>Barringtonia</i> sp.	Indonesia, Malaysia	Java (Williams & Miller 2010)
<i>Aulacaspis tubercularis</i> Newstead	Polyphagous on ornamentals and fruits in 18 families and 30 genera	Cosmopolitan, in 69 countries	Java (Newstead 1906b; Williams & Miller 2010)
<i>Aulacaspis vitis</i> (Green)	Polyphagous on ornamentals and fruits in 12 families and 14 genera	India, Indonesia, Japan, Peru, South Africa, Sri Lanka, Taiwan, Thailand, Vietnam	Java (Green 1905), Sumatra (Green 1899)
<i>Aulacaspis yabunikkei</i> Kuwana	Polyphagous on ornamentals and fruits in 6 families and 12 genera	China, Hongkong, Indonesia, Japan, Ryukyu Is, South Korea, Taiwan	Java (Tao 1999)
<i>Aulacaspis yasumatsui</i> Takagi	Polyphagous on ornamentals and fruits in 3 families and 8 genera	Cosmopolitan, in 39 countries	Java (Muniappan <i>et al.</i> 2012), Sulawesi (Watson <i>et al.</i> 2014)
Bayuraspis Takagi			
<i>Bayuraspis javanensis</i> (Williams)	<i>Pterospermum</i> sp., <i>P. javanicum</i>	Indonesia, Malaysia	Java (Williams 1963)
Chionaspis Signoret			
<i>Chionaspis comys</i> Williams & Watson*	Undetermined tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
Chrysomphalus Ashmead			
<i>Chrysomphalus aonidum</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 73 families and 170 genera	Cosmopolitan, in 85 countries	Java (Green 1904; Suh 2016)

<i>Chrysomphalus dictyospermi</i> (Morgan)	Polyphagous on ornamentals and fruits in 80 families and 192 genera	Cosmopolitan, in 102 countries	Irian Jaya (Williams & Watson 1988a), Java (Green 1904)
<i>Chrysomphalus propisimus</i> Banks	<i>Calamus spectabilis</i> , <i>Cocos nucifera</i> , <i>Corypha utan</i> , <i>Metroxylon</i> sp., <i>Pandanus</i> sp., <i>P. utilis</i>	Hawaiian Is, Indonesia, Malaysia, Philippines, Tuvalu	Sumatra (Malenotti 1916; McKenzie 1939)
<i>Clavaspidotus</i> Takagi & Kawai <i>Clavaspidotus apicalis</i> Takagi+	<i>Citrus</i> sp., <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>Litsea glutinosa</i> , <i>Pangium</i> sp.	Egypt, Indonesia, Philippines, Singapore	Java (Takagi 1974), Sulawesi (Normark <i>et al.</i> 2019), Sumatra (Watson <i>et al.</i> 2014)
<i>Diaspis</i> Costa <i>Diaspis boisduvalii</i> (Signoret)	Polyphagous on ornamentals and fruits in 34 families and 126 genera	Cosmopolitan, in 82 countries	? (Suh 2016)
<i>Diaspis bromeliae</i> (Kerner)	Polyphagous on ornamentals and fruits in 10 families and 26 genera	Cosmopolitan, in 74 countries	? (Suh 2016)
<i>Duplachionaspis</i> MacGillivray <i>Duplachionaspis saccharifolii</i> (Zehntner)	<i>Phragmites australis</i> , <i>Saccharum officinarum</i>	China, Indonesia, Philippines	Java (Zehntner 1897)
<i>Duplaspidotus</i> MacGillivray <i>Duplaspidotus tesseratus</i> Grandpré & Charmoy	Polyphagous on ornamentals and fruits in 14 families and 19 genera	Cosmopolitan, in 24 countries	Java (Ferris 1938)
<i>Fiorinia</i> Targioni Tozzetti <i>Fiorinia biakana</i> Williams & Watson*	Unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia fioriniae</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 47 families and 93 genera	Cosmopolitan, in 157 countries	? (Suh 2016)
<i>Fiorinia iavanica</i> (Leonardi)* <i>Fiorinia macroprocta</i> (Leonardi)*	<i>Ilex</i> sp. <i>Rhapis excelsa</i>	Indonesia Indonesia	Java (Leonardi 1907) Java (Leonardi 1907; Ali 1969)

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<i>Fiorinia phantasma</i> Cockerell & Robinson	Polyphagous on ornamentals and fruits in 24 families and 52 genera	Cosmopolitan, in 23 countries	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia proboscidaria</i> Green	Polyphagous on ornamentals and fruits in 11 families and 11 genera	Cosmopolitan, in 20 countries	Java, Sumatra (Clausen 1933)
<i>Fiorinia reducta</i> Williams & Watson*	Unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia theae</i> Green	Polyphagous on ornamentals and fruits in 12 families and 14 genera	Cosmopolitan, in 19 countries	Irian Jaya (Reyne 1961)
<i>Froggattiella Leonardi</i>			
<i>Froggattiella mcclurei</i> Ben-Dov	<i>Bambusa</i> sp., <i>B. multiplex</i>	China, Hong Kong, Indonesia, Philippines	Java (Ben-Dov 1988)
<i>Furcaspis Lindinger</i>			
<i>Furcaspis biformis</i> (Cockerell)	<i>Aechmea magdalenae</i> , <i>Agave</i> sp., <i>Aloe</i> sp., <i>Brassavola</i> sp., <i>Brassia</i> sp., <i>Bromella</i> sp., <i>Cattleya</i> sp., <i>Euphorbia tithymaloides</i> , <i>Hoya</i> sp., <i>Melocactus</i> sp., <i>Musa</i> sp., Orchidaceae, <i>Piper</i> sp., <i>Psychotria</i> sp., <i>Strelitzia</i> sp., <i>Syzygium</i> sp., <i>Yucca</i> sp.	Cosmopolitan, in 43 countries	Java (Kuwana & Muramatsu 1931; Williams <i>et al.</i> 2006)
<i>Genaparlatoria MacGillivray</i>			
<i>Genaparlatoria pseudaspidiotus</i> (Lindinger)	<i>Aerides</i> sp., <i>Cattleya</i> sp., <i>Commiphora berryi</i> , <i>Cymbidium</i> sp., <i>Cyrtopodium punctatum</i> , <i>Dendrobium</i> sp., <i>Euphorbia antiquorum</i> , <i>Mangifera indica</i> , <i>Papilionanthe hookeriana</i> , <i>P. teres</i> , <i>Pithecellobium dulce</i> , <i>Trichoglottis philippinensis</i> , <i>Vanda</i> sp.	Cosmopolitan, in 38 countries	Java (Merrill 1953)
<i>Greeniella Cockerell</i>			

<i>Greeniella calophylli</i> Williams & Miller*	<i>Calophyllum inophyllum</i>	Indonesia	Java (Williams & Miller 2010)
<i>Greeniella javanensis</i> (Green)	<i>Eugenia</i> sp., <i>Myristica fragrans</i>	Indonesia, Philippines	Java (Green 1905; Sanders 1906)
<i>Hemiberlesia</i> Cockerell			
<i>Hemiberlesia cyanophylli</i> (Signoret)	Polyphagous on ornamentals and fruits in 73 families and 141 genera	Cosmopolitan, in 71 countries	Java (Green 1904; Kalshoven 1981), Sumatra (Green 1937)
<i>Hemiberlesia lataniae</i> (Signoret) ⁺	Polyphagous on ornamentals and fruits in 114 families and 323 genera	Cosmopolitan, in 112 countries	Irian Jaya (Williams & Watson 1988a)
<i>Hemiberlesia palmae</i> (Cockerell)	Polyphagous on ornamentals and fruits in 54 families and 94 genera	Cosmopolitan, in 67 countries	Java (Kuwana & Muramatsu 1931), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Green 1930)
<i>Hemiberlesia rapax</i> (Comstock)	Polyphagous on ornamentals and fruits in 79 families and 189 genera	Cosmopolitan, in 71 countries	? (Suh 2016)
<i>Howardia</i> Berlese & Leonardi			
<i>Howardia biclavis</i> (Comstock)	Polyphagous on ornamentals and fruits in 69 families and 196 genera	Cosmopolitan, in 71 countries	Java (Clausen 1933; Nakahara 1982)
<i>Ischnaspis</i> Douglas			
<i>Ischnaspis longirostris</i> (Signoret)	Polyphagous on ornamentals and fruits in 50 families and 145 genera	Cosmopolitan, in 93 countries	Java (Leonardi 1901)
<i>Kuwanaspis</i> MacGillivray			
<i>Kuwanaspis bambusicola</i> (Cockerell)	<i>Bambusa</i> sp., <i>B. bambos</i> , <i>B. blumeana</i> , <i>B. multiplex</i> , <i>Dendrocalamus</i> sp., <i>D. macroculmis</i> , <i>D. strictus</i> , <i>Drepanostachyum falcatum</i> , <i>Phyllostachys aurea</i>	Algeria, Azores, Brazil, Indonesia, Sao Paulo, China, Nepal, Sinegal, Taiwan	Sumatra (Green 1930)
<i>Lepidosaphes</i> Shimer			

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<i>Lepidosaphes beckii</i> (Newman)	Polyphagous on ornamentals and fruits in 40 families and 56 genera	Cosmopolitan, in 121 countries	Java (Kalshoven 1981), Sulawesi (Normark <i>et al.</i> 2019), Sumatra (Kalshoven 1981; Watson <i>et al.</i> 2014)
<i>Lepidosaphes corrugata</i> Green*	<i>Coffea arabica</i>	Indonesia	Java (Green 1904)
<i>Lepidosaphes crawii</i> (Cockerell)	<i>Elaeagnus</i> sp., <i>Castanopsis</i> sp., <i>C. cuspidata</i> , <i>C. faberi</i> , <i>Lithocarpus uraianus</i> , <i>Pterospermum javanicum</i>	Indonesia, Japan, Taiwan	Java (Green 1905)
<i>Lepidosaphes eurychlidonis</i> Williams & Watson	<i>Hibiscus</i> sp.	Indonesia, Vanuatu	Irian Jaya (Williams & Watson 1988a)
<i>Lepidosaphes gloverii</i> (Packard)	Polyphagous on ornamentals and fruits in 27 families and 38 genera	Cosmopolitan, in 82 countries	Irian Jaya (Reyne 1961), Java (Watson <i>et al.</i> 2014)
<i>Lepidosaphes lasianthi</i> (Green)	<i>Codiaeum variegatum</i> , <i>Croton</i> sp., <i>Cr. humilis</i> , <i>Lasianthus strigosus</i>	Bermuda, Guyana, India, Indonesia, Puerto Rico & Vieques, Srilangka, United States	Java (Green 1905)
<i>Lepidosaphes laterochitinsa</i> Green	Polyphagous on ornamentals and fruits in 28 families and 38 genera	Cosmopolitan, in 18 countries	? (Suh 2016)
<i>Lepidosaphes punicae</i> Laing	<i>Artocarpus</i> sp., <i>A. altilis</i> , <i>Ficus</i> sp., <i>Litchi</i> sp., <i>L. chinensis</i> , <i>Macaranga</i> sp., <i>Nephelium</i> , <i>Plumeria</i> sp., <i>Psittacanthus</i> sp., <i>Punica granatum</i> , <i>Rosa</i> sp., <i>Solanum</i> sp., <i>Vanilla</i> sp., <i>Yucca</i> sp.	Cosmopolitan, in 15 countries	? (Suh 2016)
<i>Lepidosaphes rubrovittata</i> (Cockerell)	Polyphagous on ornamentals and fruits in 12 families and 14 genera	Cosmopolitan, in 18 countries	Irian Jaya (Williams & Watson 1988a)
<i>Lepidosaphes tapleyi</i> Williams	Polyphagous on ornamentals and fruits in 19 families and 26 genera	Cosmopolitan, in 17 countries	Irian Jaya (Williams & Watson 1988a)

<i>Lepidosaphes tokionis</i> (Kuwana)	<i>Anthurium</i> sp., <i>Cordyline fruticosa</i> , <i>Dracaena</i> sp., <i>Sansevieria</i> sp., <i>Codiaeum</i> sp., <i>Co. variegatum</i> , <i>Croton</i> sp., <i>Cr. tiglium</i> , <i>Gossypium</i> sp., <i>Citrus maxima</i> , <i>Capsicum</i> sp. <i>Syzygium pseudojambolana</i>	Cosmopolitan, in 30 countries	Java (Ali 1969), Sulawesi (Watson <i>et al.</i> 2014)
<i>Lepidosaphes unguolata</i> Green* Lopholeucaspis Balachowsky Lopholeucaspis cockerelli (Grandpré & Charmoy)		Indonesia	Java (Green 1905)
Loranthaspis Cockerell & Bueker <i>Loranthaspis microconcha</i> Cockerell & Bueker*	<i>Canarium</i> sp., <i>Dendrophthoe</i> <i>pentandra</i>	Indonesia	Java (Cockerell & Bueker 1930)
Microparlatoria Takahashi <i>Microparlatoria fici</i> (Takahashi)	<i>Ficus retusa</i>	Indonesia, Taiwan, Thailand	Sulawesi (Suh & Ji 2009; Normark <i>et al.</i> 2019)
Mongrovaspis Bodenheimer <i>Mongrovaspis quadrispinosa</i> (Green)	<i>Avicennia marina</i> , <i>A. officinalis</i>	Egypt, Indonesia, Iran, Philippines	Lombok (Takagi 2002)
Morganella Cockerell <i>Morganella longispina</i> (Morgan)	Polyphagous on ornamentals and fruits in 22 families and 36 genera	Cosmopolitan, in 42 countries	? (Nakahara 1982)
Mycetaspis Cockerell <i>Mycetaspis personata</i> (Comstock)	Polyphagous on ornamentals and fruits in 19 families and 30 genera	Cosmopolitan, in 44 countries	? (Nakahara 1982)
Odonaspis Leonardi			

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	<i>Odonaspis greenii</i> (Cockerell)	<i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. dissemulator</i> , <i>B. multiplex</i> , <i>B. pervariabilis</i> , <i>B. vulgaris</i> , <i>Bambusoideae-Poaceae</i> spp. , <i>Dinochloa scandens</i> , <i>Gigantochloa</i> sp., <i>G. verticillata</i> , <i>Miscanthus</i> sp., <i>M. sinensis</i> , <i>Schizostachyum diffusum</i>	Cosmopolitan, in 23 countries	? (MacGillivray 1921; Ben-Dov 1988)
	<i>Odonaspis lingnani</i> Ferris	<i>Bambusa multiplex</i> , <i>B. vulgaris</i>	China, Indonesia, Malaysia	? (Ben-Dov 1988)
	<i>Odonaspis saccharicaulis</i> (Zehntner)	<i>Heliconia</i> sp., <i>Mangifera</i> sp., <i>Poaceae</i> , <i>Scleria canescens</i>	Cosmopolitan, in 35 countries	Java (Merrill 1953; Ben-Dov 1988), Sumatra (Green 1930)
	<i>Odonaspis secreta</i> (Cockerell)	<i>Arundinaria</i> sp., <i>A. chino</i> , <i>A. simonii</i> , <i>Bambusa</i> sp., <i>B. bambos</i> , <i>B. blumeana</i> , <i>Indocalamus tessellatus</i> , <i>Miscanthus</i> sp., <i>Phyllostachys</i> sp., <i>Pleioblastus</i> sp., <i>Pseudosasa japonica</i> , <i>Sasa</i> sp., <i>S. palmata</i> , <i>S. senanensis</i> , <i>S. veitchii</i> , <i>Schizostachyum glaucifolium</i> , <i>Semiarundinaria fastuosa</i>	Cosmopolitan, in 23 countries	Java (MacGillivray 1921; Borchsenius 1937)
	<i>Opuntiaspis</i> Cockerell			
	<i>Opuntiaspis javanensis</i> Green	<i>Agave</i> sp., <i>A. decipiens</i> , <i>A. fourcroydes</i> , <i>A. sisalana</i> , <i>A. vera-cruz</i> , <i>A. xylonacantha</i> , <i>Beaucarnea</i> sp.	Indonesia, Mexico, United States	Java (Green 1905)
	<i>Parlatoria</i> Colvée			
	<i>Parlatoria camelliae</i> (Comstock)	Polyphagous on ornamentals and fruits in 25 families and 40 genera	Cosmopolitan, in 31 countries	Java (Merrill 1953)

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<i>Parlatoria cinerea</i> Hadden in Doane & Hadden	<i>Annona muricata</i> , <i>Citrus</i> sp., <i>C. aurantiifolia</i> , <i>C. aurantium</i> , <i>C. aurantium</i> , <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>C. reticulata</i> , <i>Gardenia</i> sp., <i>Grewia asiatica</i> , <i>Hibiscus</i> sp., <i>Jasminum</i> sp., <i>J. sambac</i> , <i>Malus pumila</i> , <i>M. sylvestris</i> , <i>Mangifera indica</i> , <i>Melia azedarach</i> , <i>Nerium indicum</i> , <i>N. oleander</i> , <i>Rosa</i> sp., <i>Smilax</i> sp., <i>Stephanotis</i> sp., <i>Vitis vinifera</i>	Cosmopolitan, in 50 countries	Java (Morrison 1939)
<i>Parlatoria citri</i> McKenzie	<i>Citrus</i> sp., <i>C. aurantium</i>	Cook Is, India, Indonesia, Nigeria, Thailand	Java (McKenzie 1943)
<i>Parlatoria crotonis</i> (Douglas)	<i>Citrus aurantium</i> , <i>C. medica</i> , <i>Cocos nucifera</i> , <i>Codiaeum</i> sp., <i>Co. variegatum</i> , <i>Croton</i> sp., <i>Cr. scouleri</i> , <i>Dendrobium</i> sp., <i>D. moschatum</i> , <i>Dermacentor marginatus</i> , <i>Ficus</i> sp., <i>F. citrifolia</i> , <i>Illicium philippinense</i> , <i>I. tashiroi</i> , <i>Inocarpus fagifer</i> , <i>Laurus</i> sp., <i>Magnolia</i> sp., <i>Pandanus utilis</i> , <i>Pinus</i> sp.	Cosmopolitan, in 50 countries	Irian Jaya (Williams & Watson 1988a), Java (Williams & Miller 2010)
<i>Parlatoria flava</i> Takahashi*	Unknown host	Indonesia	Sumatra (Takahashi 1951)
<i>Parlatoria hastata</i> (Lindinger)*	<i>Gnetum</i> sp.	Indonesia	Kalimantan (Lindinger 1911)
<i>Parlatoria pergandii</i> Comstock	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Java (Morrison 1939; Kalshoven 1981) Sumatra (Morrison 1939)
<i>Parlatoria proteus</i> (Curtis)	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Java (Newstead 1908), Kalimantan (Fleury 1935), Sumatra (Clausen 1933)

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<i>Parlatoria ziziphi</i> (Lucas)	Polyphagous on ornamentals and fruits in 12 families and 16 genera: Apocynaceae, Arecaceae, Euphorbiaceae, Moraceae, Myrtaceae, Oleaceae, Orchidaceae, Rhamnaceae, Rubiaceae, Rutaceae, Sapindaceae, Theaceae	Cosmopolitan, in 93 countries	Java (Morrison 1939; Kalshoven 1981), Sumatra (Clausen 1933)
<i>Pinnaspis</i> Cockerell			
<i>Pinnaspis aspidistrae aspidistrae</i> (Signoret)	Polyphagous on ornamentals and fruits in 71 families and 133 genera	Cosmopolitan, in 89 countries	Java (Green 1905)
<i>Pinnaspis buxi</i> (Bouché)	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Irian Jaya (Williams & Watson 1988a), Java (Williams & Miller 2010)
<i>Pinnaspis diaspiformis</i> (Newstead)*	<i>Bambusa</i> sp., <i>Piper</i> sp.	Indonesia	Java (Newstead 1906a, b)
<i>Pinnaspis dracaenae</i> (Cooley)	<i>Areca catechu</i> , <i>Dracaena cinnabari</i> , <i>Havea</i> sp., <i>H. brasiliensis</i> , <i>Pachira aquatica</i>	India, Indonesia, Sri Lanka, Yemen	Java (Green 1905)
<i>Pinnaspis javanensis</i> (Kuwana in Kuwana & Muramatsu)*	<i>Cocos</i> sp.	Indonesia	Java (Kuwana & Muramatsu 1931a)
<i>Pinnaspis longula</i> (Leonardi)*	<i>Persea</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Pinnaspis rombica</i> Leonardi*	<i>Persea</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Pinnaspis strachani</i> (Cooley)	Polyphagous on ornamentals and fruits in 74 families and 244 genera	Cosmopolitan, in 114 countries	Irian Jaya (Reyne 1961; Williams & Watson 1988a), Java (Ali 1969)
<i>Pseudaonidia</i> Cockerell			
<i>Pseudaonidia curculiginis</i> (Green)	<i>Corypha utan</i> , <i>Gardenia</i> sp., <i>Molineria capitulata</i>	Indonesia, Malaysia, Mongolia, Philippines, Singapore, Thailand, Vanuatu, Vietnam	Java (Green 1904; Sanders 1906; Marlatt 1908)

<i>Pseudaonidia duplex</i> Fernald	Polyphagous on ornamentals and fruits in 21 families and 32 genera	China, Georgia, Guam, Hawaiian Is, Hong Kong, India, Indonesia, Iran, Japan, South Korea, Sri Lanka, Taiwan, United States	Java (Balachowsky 1951)
<i>Pseudaonidia greeni</i> Marlatt*	<i>Mangifera indica</i>	Indonesia	Java (Marlatt 1908; Sanders 1909)
<i>Pseudaonidia trilobitiformis</i> (Green)	Polyphagous on ornamentals and fruits in 46 families and 107 genera	Cosmopolitan, in 78 countries	Java (Marlatt 1908)
<i>Pseudaulacaspis MacGillivray</i> <i>Pseudaulacaspis cockerelli</i> (Cooley)	Polyphagous on ornamentals and fruits in 84 families and 152 genera	Cosmopolitan, in 53 countries	Java (Green 1905), Sulawesi (Watson <i>et al.</i> 2014)
<i>Pseudaulacaspis multiducta</i> Williams & Watson*	Unidentified dicotyledonous plant	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Pseudaulacaspis papulosa</i> Williams & Watson*	<i>Casuarina</i> sp.	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Pseudaulacaspis pentagona</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 85 families and 221 genera	Cosmopolitan, in 111 countries	Java (Dammerman 1929; Balachowsky 1954; Suh 2016)
<i>Pseudaulacaspis papayae</i> (Takahashi)	<i>Carica</i> sp., <i>Musa</i> sp.	Indonesia, Thailand	Sumatra (Takagi 1960)
<i>Pseudaulacaspis varicosa</i> (Green)	<i>Suregada lanceolata</i> , <i>Litsea</i> sp., <i>Loranthus</i> sp., <i>Piper</i> sp., <i>P. nigrum</i>	India, Indonesia, Myanmar, Sri Lanka	Java (Green 1905)
<i>Radionaspis Ferris</i> <i>Radionaspis indica</i> (Marlatt)	<i>Mangifera indica</i>	British Virgin Is, Cape Verde, Cuba, Dominican Republic, Ecuador, Federated States of Micronesia, Hawaiian Is, India, Indonesia, Jamaica, Mexico, Palau, Panaman, Puerto Rico, Saint Lucia, United State	Java (Nakahara 1982)

<i>Rutherfordia</i> MacGillivray <i>Rutherfordia major</i> (Cockerell)	<i>Annona muricata</i> , <i>Cordia curassavica</i> , <i>C. lutea</i> , <i>C. myxa</i> , <i>Heliotropium</i> sp., <i>Vateria indica</i>	Cosmopolitan, in 26 countries	Java (Merrill 1953)
<i>Schizentaspis</i> Mamet <i>Schizentaspis loranthi</i> Mamet*	<i>Amaranthus</i> sp.	Indonesia	<u>Maluku?</u> (Mamet 1958; Borchsenius 1966)
<i>Sclopetaspis</i> MacGillivray <i>Sclopetaspis danumensis</i> Takagi*	Unknown <u><i>Ellipeia</i> sp.</u>	Indonesia	Kalimantan (Takagi 2000)
<i>Selenediella</i> Mamet <i>Selenediella mckenziei</i> (Takahashi)*	Unknown	Indonesia	Sumatera <u>Riouw Isl</u> (Takahashi 1951; Mamet 1958; Borchsenius 1966)
<i>Semelaspis</i> MacGillivray <i>Semelaspis artocarp</i> i (Green)	<i>Cinnamomum</i> sp., <i>Artocarpus</i> sp., <i>Piper nigrum</i>	India, Indonesia, Sri Lanka	Java (Green 1905)
<i>Silvestraspis</i> Bellio <i>Silvestraspis uberifera</i> (Lindinger)	<i>Artocarpus</i> sp., <i>Cinnamomum verum</i> , <i>Machilus japonica</i> , <i>Magnolia ashtonii</i> , <i>Mallotus philippe</i> , <i>Mussaendopsis beccariana</i> , <i>Syzygium hancei</i> , <i>S. jambos</i> , <i>S. kwangtungense</i>	China, Hong Kong, Cambodia, Indonesia, Malaysia, Philippines, Taiwan	Irian Jaya (Williams & Watson 1988a)
<i>Sinistraspis</i> MacGillivray <i>Sinistraspis unilateralis</i> (Newstead)	Polyphagous on ornamentals and fruits in 10 families and 15 genera	Barbados, India, Indonesia, Malaysia, Philippines	Kalimantan (Takagi 2000)
<i>Unaspis</i> MacGillivray <i>Unaspis citri</i> (Comstock)	Polyphagous on ornamentals and fruits in 14 families and 18 genera	Cosmopolitan, in 96 countries	Java (Kalshoven 1981), Kalimantan (Giliomee 1966)

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	<i>Unaspis yanonensis</i> (Kuwana)	<i>Citrus</i> sp., <i>C. japonica</i> , <i>C. maxima</i> , <i>C. reticulata</i> , <i>C. trifoliata</i> , <i>Damnacanthus</i> sp.	Cosmopolitan, in 20 countries	? (Blackburn & Miller 1984)
	ERIOCOCCIDAE Cockerell			
	<i>Gossyparia</i> Signoret			
	<i>Gossypariella sulawesi</i> Kozár & Martin*	<i>Elmerridae</i> <i>Elmerrillia</i> <i>ovalis</i> (Magnoliaceae)	Indonesia	Sulawesi (Kozár <i>et al.</i> 2007).
	<i>Sangicoccus</i> Reyne			
	<i>Sangicoccus obtusispinus</i> (Reyne)*	<i>Cocos nucifera</i>	Indonesia	Irian Jaya (Reyne 1961)
	<i>Sangicoccus reynei</i> Kozár & Konczné Benedicty*	Arecaceae	Indonesia	Sulawesi (Kozár <i>et al.</i> 2009)
	<i>Sangicoccus truncatispinus</i> (Reyne)	<i>Cocos nucifera</i> , <i>Nypa</i> sp.	Indonesia, Papua New Guinea, Philippines	Sulawesi (Reyne 1961)
	KERMESIDAE Signoret			
	<i>Reynvaania</i> Reyne			
	<i>Reynvaania gallicola</i> Reyne*	<i>Quercus lineata</i>	Indonesia	Java, Sumatra (Reyne 1954b)
	LECANODIASPIDIDAE			
	<i>Lecanodiaspis</i> Targioni Tozzetti			
	<i>Lecanodiaspis baculifera</i> Leonardi*	<i>Mangifera</i> sp., <i>Viscum album</i>	Indonesia	Java (Leonardi 1907; Howell & Kosztarab 1972)
	<i>Lecanodiaspis greeni</i> Takahashi*	Unidentified plant	Indonesia	Sumatra Riau Islands , Rempang (Takahashi 1950; Howell & Kosztarab 1972)
	<i>Psoraleococcus</i> Borchsenius			
	<i>Psoraleococcus lombokanus</i> Lambdin & Kosztarab*	<i>Annona muricata</i>	Indonesia	Lombok (Lambdin & Kosztarab 1973)
	<i>Psoraleococcus morrisoni</i> (Takahashi)*	On an unknown plant	Indonesia	Sumatra Riau Islands , Rempang (Takahashi 1950; Howell & Kosztarab 1972; Lambdin <i>et al.</i> 1976)

<i>Psoraleococcus multicribatus</i> Lambdin & Kosztarab*	<i>Piper nigrum</i>	Indonesia	Sumatra (Lambdin & Kosztarab 1973)
<i>Anomalococcus multipori</i> Morrison	Dipterocarpaceae, <i>Nephelium lappaceum</i> , <i>Oncosperma horridum</i>	Indonesia, Philippines, Singapore	Sulawesi (Gavrilov-Zimin 2013), Sumatra (Green 1930)
<i>Stictacanthus</i> Lambdin & Kosztarab			
<i>Stictacanthus azadirachtae</i> (Green)	<i>Azadirachta indica</i> , <i>Derris elliptica</i> , <i>D. malaccensis</i>	India, Indonesia, Sri Lanka	Sumatra (Reyne 1954a; Howell & Kosztarab 1972)
MONOPHLEBIDAE Signoret			
<i>Buchnericoccus</i> Reyne			
<i>Buchnericoccus javanus</i> Reyne*	Unidentified tree	Indonesia	Java (Reyne 1965a)
<i>Buchnericoccus reynei</i> Gavrilov-Zimin*	Under tree bark	Indonesia	Kalimantan (Gavrilov-Zimin 2018)
<i>Drosicha</i> Walker			
<i>Drosicha minor</i> Reyne*	Host plant not indicated	Indonesia	Java (Reyne 1965a)
<i>Drosicha saundersii</i> (Westwood)*	Host plant not indicated	Indonesia	? (Westwood 1845)
<i>Drosicha sumatrensis</i> Green*	Host plant not indicated	Indonesia	Sumatra (Green 1930)
<i>Drosicha townsendi</i> (Cockerell)	<i>Albizia saman</i> , <i>Cassia</i> sp., <i>Ficus nota</i> , <i>Gymnosporia emarginata</i> , <i>Hibiscus</i> sp., <i>Ipomoea</i> sp., <i>Syzygium aqueum</i>	Indonesia, Philippines	Flores (Gavrilov-Zimin 2017)
<i>Drosichoides</i> Morrison			
<i>Drosichoides haematoptera</i> (Cockerell)*	Host plant not indicated	Indonesia	Java (Reyne 1965a), Kalimantan (Cockerell 1919)
<i>Etopera</i> Bhatti & Gullan			
<i>Etopera papuensis</i> Bhatti & Gullan	<i>Terminalia kaernbachii</i>	Indonesia, Papua New Guinea	Irian Jaya (Gavrilov-Zimin 2013)
<i>Hemaspidoproctus</i> Morrison			

<i>Hemaspidoproctus cinereus</i> (Green)	<i>Acacia nilotica</i> , <i>Citrus</i> sp., <i>Grevillea</i> sp., <i>Lawsonia inermis</i> , <i>Liquidambar excelsa</i> , <i>Manilkara</i> <i>zapota</i> , <i>Punica granatum</i> , <i>Terminalia</i> sp., <i>Thespesia</i> sp., <i>Vachellia</i> sp.	Costarica, India, Indonesia, Sri Lanka	Java (Reyne 1965a)
<i>Icerya</i> Signoret			
<i>Icerya aegyptiaca</i> (Douglas)	Polyphagous on ornamentals and fruits in 59 families and 113 genera	Cosmopolitan, in 27 countries	Kalimantan (Williams & Miller 2010), Sulawesi (Watson <i>et al.</i> 2014)
<i>Icerya gaponiana</i> Gavrilov*	Dicotyledonous tree	<u>Indonesia</u> -	Irian Jaya (Gavrilov-Zimin 2013)
<i>Icerya imperatae</i> Rao	<i>Bambusa bambos</i> , <i>Brachiaria</i> <i>decumbens</i> , <i>Chloris barbata</i> , <i>Imperata</i> sp., <i>I. conferta</i> , <i>Oryza</i> <i>sativa</i> , <i>Ottochloa nodosa</i> , <i>Paspalum conjugatum</i> , <i>P. notatum</i> , <i>Pennisetum</i> sp., <i>Saccharum</i> <i>spontaneum</i> , <i>Sorghum</i> sp.	Australia, Brunei, Fiji, Indonesia, Malaysia, Palau, Philippines	Irian Jaya (Gavrilov-Zimin 2013)
<i>Icerya jacobsoni</i> Green	<i>Canarium kipella</i> , <i>Castilloa</i> <i>elastica</i> , <i>Citrus</i> sp., Dipterocarpaceae, <i>Dombeya</i> <i>acutangula</i> , <i>Eucalyptus</i> sp., <i>Leucaena leucocephala</i> , <i>Leucosyke</i> <i>capitellata</i> , <i>Litsea glutinosa</i> , <i>Macaranga carolinensis</i> , <i>M.</i> <i>tanarius</i> , <i>Neonauclea calycina</i> , <i>Oreocnide rubescens</i> , <i>Psidium</i> <i>guajava</i>	China, Federated States of Micronesia, Hongkong, Indonesia, Myanmar, Philippines, Thailand	Java (Green 1913; Prabhaker Rao 1951)
<i>Icerya nuda</i> Green*	<i>Dendrocalamus asper</i>	Indonesia	Sumatra (Green 1930)

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<i>Icerya pulchra</i> (Leonardi)	<i>Calophyllum inophyllum</i> , <i>Citrus</i> sp., <i>Cocos nucifera</i> , <i>Croton</i> sp., <i>Ilex</i> sp., <i>Magnolia champaca</i> , <i>Mangifera</i> sp., <i>M. indica</i> , <i>Rhopaloblaste</i> sp., <i>Rosa</i> sp., <i>Theobroma cacao</i>	India, Indonesia, Japan, Philippines, Singapore	Java (Leonardi 1907; Prabhaker Rao 1951), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Prabhaker Rao 1951)
<i>Icerya purchasi</i> Maskell	Polyphagous on ornamentals and fruits in 68 families and 167 genera	Cosmopolitan, in 127 countries	Irian Jaya (CABI 2019), Java, Sulawesi, Sumatra (CABI 1971)
<i>Icerya samaraia</i> (Morrison)	Polyphagous on ornamentals and fruits in 25 families and 40 genera	Federated States of Micronesia, Indonesia, New Caledonia, Palau, Papua New Guinea, Solomon Is	Bali (Gavrilov-Zimin 2017), Irian Jaya (Williams & Watson 1990; Gavrilov-Zimin 2013), Java (Reyne 1965b), Sulawesi (Gavrilov-Zimin 2013; Watson <i>et al.</i> 2014), Kalimantan (Gavrilov-Zimin 2020)
<i>Icerya seychellarum</i> (Westwood)	Polyphagous on ornamentals and fruits in 58 families and 128 genera	Cosmopolitan, in 48 countries	Irian Jaya (Williams & Watson 1990), Java, Sumatra (CABI 1955)
<i>Icerya sumatrana</i> Rao*	<i>Citrus</i> sp., <i>Erythrina</i> sp.	Indonesia	Java, Sumatra (Prabhaker Rao 1951)
<i>Icerya zimmermanni</i> Green	<i>Citrus</i> sp., <i>Ficus religiosa</i> , <i>Macaranga tanarius</i> , <i>Melastoma</i> sp.	India, Indonesia, Thailand	Java (Prabhaker Rao 1951)
Misracoccus Rao <i>Misracoccus serrei</i> (Vayssiere)*	Host plant not indicated	Indonesia	Java (Vayssière 1914; Vayssière 1926)
Monophlebulus Cockerell <i>Monophlebus atripennis</i> Burmeister*	Host plant not indicated	Indonesia	Java (Signoret 1876)
<i>Monophlebulus enarotalicus</i> Bhatti & Gullan*	Host plant not indicated	Indonesia	Irian Jaya (Bhatti & Gullan 1990)

<i>Monophloeus fabricii</i> Targioni Tozzetti*	Host plant not indicated	Indonesia	Sumatra (Fabricius 1805)
<i>Monophlebulus gressitti</i> Bhatti & Gullan*	Host plant not indicated	Indonesia	Irian Jaya (Bhatti & Gullan 1990)
<i>Monophlebus neglectus</i> Gavrilov-Zimin*	Host plant not indicated	Indonesia	Java (Gavrilov-Zimin 2018)
Walkeriana Signoret <i>Walkeriana tosariensis</i> Reyne*	<i>Casuarina junghuhniana</i>	Indonesia	Java (Reyne 1957)
ORTHEZIIDAE Amyot & Serville			
Insignorthezia Kozár <i>Insignorthezia insignis</i> (Browne)	Polyphagous on ornamentals and fruits in 45 families and 120 genera	Cosmopolitan, in 79 countries	Bali (Gavrilov-Zimin 2017), Java (Morrison 1925)
Nipponorthezinella Kozár <i>Nipponorthezinella guadalcanalia</i> (Morrison)	<i>Alpinia purpurata</i> , <i>Gardenia</i> sp.	Cosmopolitan, in 18 countries	Java (Williams & Miller 2010)
Ortheziola Šulc <i>Ortheziola hauseri</i> Konczné Benedicty & Kaydan	Host plant not indicated	Indonesia, Malaysia	<u>2</u> <u>Sumatra, Java</u> (Kaydan <i>et al.</i> 2014)
<i>Ortheziola peregovitsi</i> Kozár & Konczné Benedicty	<i>Quercus</i> sp. (Fagaceae)	Indonesia Malaysia, Philippines, South Korea.	Sumatra (Kaydan <i>et al.</i> 2014)
PSEUDOCOCCIDAE Cockerell			
Antonina Signoret <i>Antonina graminis</i> (Maskell)	Polyphagous on ornamentals and fruits in 4 families and 63 genera: Cyperaceae, Euphorbiaceae, Orchidaceae, Poaceae	Cosmopolitan, in 98 countries	Irian Jaya (Williams & Watson 1988b), Java (Ali 1970; Williams 1970; 2004), Sulawesi (Williams 2004), Sumatra (Giliomee 1966; Ali 1970; Williams 1970)

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<i>Antonina milleri</i> Williams	<i>Bambusa</i> sp., <i>B. blumeana</i> , <i>B. emeiensis</i> , <i>B. pervariabilis</i> , <i>B. tuldoidea</i> , <i>Dendrocalamus latiflorus</i> , <i>Fargesia nitida</i> , <i>Indocalamus</i> sp., <i>Phyllostachys bambusoides</i> , <i>P. edulis</i> , <i>P. glauca</i> , <i>P. heteroclada</i> , <i>P. nigra</i> , <i>P. propinqua</i> , <i>Pleioblastus amarus</i> , <i>Sasa</i> sp., <i>S. sinica</i>	China, Indonesia, Malaysia, Philippines, Vietnam	Sumatra (Williams 2004)
<i>Antonina pretiosa</i> Ferris	<i>Arundinaria gigantea</i> , <i>Bambusa</i> sp., <i>B. multiplex</i> , <i>B. textilis</i> , <i>B. tuldoidea</i> , <i>B. vulgaris</i> , <i>Indocalamus tessellatus</i> , <i>Otatea aztecorum</i> , <i>Phyllostachys aurea</i> , <i>Pseudosasa disticha</i> , <i>P. disticha</i>	China, Cuba, Hawaiian Is, Hong Kong, Indonesia, Malaysia, Singapore, Taiwan, United States	Irian Jaya (Gavrilov-Zimin 2013)
<i>Antonina thaiensis</i> Takahashi	<i>Bambusa</i> sp., <i>Bambusa vulgaris</i> , <i>Phragmites</i> sp.	Indonesia, Malaysia, Philippines, Sri Lanka, Thailand	Java (Sartiami <i>et al.</i> 2016)
<i>Antonina zonata</i> Green	<i>Acidosasa nanunica</i> , <i>A. venusta</i> , <i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. blumeana</i> , <i>Davidsea attenuata</i> , <i>Sasa sinica</i>	China, India, Indonesia, Malaysia, Philippines, Sri Lanka	Sumatra (Green 1930)
Archeomyrmococcus Williams <i>Archeomyrmococcus dolichoderi</i> Williams*	<i>Coffea</i> sp.	Indonesia	Sumatra (Williams 2002, 2004)
Brevennia Goux <i>Brevennia (Brevennia) rehi</i> (Lindinger)	Arecaceae, <i>Cyperus</i> sp., <i>C. iria</i> , <i>C. michelianus</i> , <i>C. rotundus</i> , <i>C. serotinus</i> , <i>Fimbristylis argentea</i> , <i>F. quinquangularis</i> , <i>F. tenera</i> , Poaceae	Cosmopolitan, in 28 countries	Java (Van Heurn 1923; Williams 1970)
Chaetococcus Maskell			

<i>Chaetococcus bambusae</i> (Maskell)	<i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. blumeana</i> , <i>B. multiplex</i> , <i>B. textilis</i> , <i>B. vulgaris</i> , <i>Dendrocalamus</i> sp., <i>D. asper</i> , <i>D. brandisii</i> , <i>D. giganteus</i> , <i>D. latiflorus</i> , <i>D. minor</i> , <i>D. strictus</i> , <i>Gigantochloa</i> sp., <i>G. verticillata</i> , <i>G. verticillata</i> , <i>Indosasa shibataeoides</i> , <i>Lingnania chungii</i> , <i>L.chungii</i> , <i>Miscanthus</i> sp., <i>Phyllostachys</i> sp., <i>P. nigra</i> , <i>Schizostachyum</i> sp.	Cosmopolitan, in 45 countries	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Williams 2004; Sartiami <i>et al.</i> 2016)
<i>Crisicoccus Ferris</i>			
<i>Crisicoccus cambodiensis</i> (Takahashi)	On undetermined host	Cambodia, Indonesia	Bali (Gavrilov-Zimin 2017)
<i>Crisicoccus kimanisicus</i> Williams	On undetermined host	Indonesia, Malaysia	‡ Irian Jaya (Gavrilov-Zimin 2017)
<i>Crisicoccus strigilis</i> Gavrilov	On twigs of dicotyledonous tree		Irian Jaya (Gavrilov-Zimin 2013)
<i>Crisicoccus theobromae</i> Williams & Watson	<i>Neonauclea cyrtopoda</i> , <i>Nephelium lappaceum</i> , <i>Punica granatum</i> , <i>Theobroma cacao</i>	Indonesia, Malaysia, Papua New Guinea, Philippines	Sulawesi (Williams 2004), Sumatra (Williams 2004)
<i>Dicranococcus Williams</i>			
<i>Dicranococcus montanus</i> (Reyne)*	In the nest of <i>Dolichoderus</i> sp. ant that lives on unidentified tree	Indonesia	Java (Reyne 1954a; Ben-Dov 1994; Williams 1978; Williams 2004)
<i>Dorsoceraricoccus Dong & Wu</i>			
<i>Dorsoceraricoccus muajatae</i> (Williams)*	Pteridaceae	Indonesia	Sulawesi (Williams 2004)
<i>Dysmicoccus Ferris</i>			

<i>Dysmicoccus boninsis</i> (Kuwana)	Polyphagous on ornamentals and fruits in 12 families and 63 genera: Arecae, Arecaceae, Ateraceae, Cannaceae, Convolvulaceae, Cupressaceae, Iridaceae, Pandanaceae, Poaceae, Rutaceae, Solanaceae, Vitaceae	Cosmopolitan, in 60 countries	Sumatra (Williams 2004)
<i>Dysmicoccus brevipes</i> (Cockerell)	Polyphagous on ornamentals and fruits in 62 families and 147 genera	Cosmopolitan, in 126 countries	Irian Jaya (Williams & Watson 1988a), Java (Betrem 1937; Ben-Dov 1994; Williams 2004, Sartiama et al. 2016), Sumatra (Williams 2004)
<i>Dysmicoccus comitatus</i> Williams & Watson*	In ants' nest	Indonesia	Irian Jaya (Williams & Watson 1988a; Ben-Dov 1994)
<i>Dysmicoccus debregeasiae</i> (Green)	Polyphagous on ornamentals and fruits in 15 families and 18 genera: Asteraceae, Euphorbiaceae, Fabaceae, Lauraceae, Loranthaceae, Malvaceae, Moraceae, Myrtaceae, Polygonaceae, Rosaceae, Rubiaceae, Rutaceae, Sapotaceae, Urticaceae, Zingiberaceae	Bangladesh, Guadeloupe, India, Indonesia, Malaysia, Nepal, Sri Lanka	Java, Sulawasi, Sumatra (Williams 2004)
<i>Dysmicoccus finitimus</i> Williams	<i>Areca catechu</i> , <i>Cocos nucifera</i> , <i>Corypha utan</i>	Adam Is, Christmas I., Cocos Is, India, Indonesia, Malaysia, Maldives, Phillippines, Sri Lanka	Java, Sumatra (Williams 2004)

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<i>Dysmicoccus lepelleyi</i> (Betrem)	Polyphagous on ornamentals and fruits in 17 families and 25 genera: Anacardiaceae, Annonaceae, Arecaceae, Asparagaceae, Clusiaceae, Euphorbiaceae, Fagaceae, Malvaceae, Meliaceae, Moraceae, Musaceae, Myrtaceae, Rubiaceae, Rutaceae, Sapinsaceae, Sapotaceae, Zingiberaceae	Cambodia, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Lombok, Sumatra (Williams 2004)
<i>Dysmicoccus maclayi</i> Gavrilov*	Dicotyledonous tree	Indonesia	Irian Jaya (Gavrilov-Zimin 2013)
<i>Dysmicoccus neobrevipes</i> Beardsley	Polyphagous on ornamentals and fruits in 39 families and 63 genera	Cosmopolitan, in 41 countries	Flores (Gavrilov-Zimin 2017)
<i>Dysmicoccus orchidum</i> Williams	<i>Bulbophyllum</i> sp., <i>Cymbidium finlaysonianum</i> , <i>Dendrobium</i> sp., <i>D. dearei</i> , <i>D. heterocarpum</i> , <i>D. schuetzei</i> , <i>D. wardianum</i> , <i>Grammatophyllum scriptum</i> , <i>Phaius flavus</i> , <i>Phalaenopsis</i> sp., <i>P. amabilis</i> , <i>P. aphrodite</i> , <i>P. lueddemanniana</i> , <i>P. sanderiana</i> , <i>P. schilleriana</i> , <i>Spathoglottis</i> sp., <i>Vanda</i> sp., <i>V. coerulea</i> , <i>V. lamellata</i> , <i>V. limbata</i>	India, Indonesia, Malaysia, Philipphines, Singapore, Thailand	? (Williams 2004)
<i>Exallomochlus</i> Williams			
<i>Exallomochlus hispidus</i> (Morrison)	Polyphagous on ornamentals and fruits in 27 families and 40 genera.	Indonesia, Italy, Malaysia, Philippines, Singapore, Thailand, Vietnam	Java (Betrem 1937; Wirjati 1958; Ben-Dov 1994; Williams 1970, 2004), Sumatra (Green 1930; Williams 1970, 2004), Sumba (Williams 2004)

<i>Exallomochlus sulawesicus</i> Williams*	<i>Aglaia</i> sp., <i>Bruguiera</i> sp., <i>Ficus</i> sp., <i>Neonauclea lanceolata</i> , Sapindaceae, <i>Theobroma cacao</i> , Urticaceae	Indonesia	Sulawesi (Williams 2004; Gavrilov-Zimin 2013)
<i>Extanticoccus</i> Williams			
<i>Extanticoccus javanensis</i> Williams*	<i>Bambusa</i> sp.	Indonesia	Java (Williams 2004)
<i>Ferrisia</i> Fullaway			
<i>Ferrisia dasylirii</i> (Cockerell)	Polyphagous on ornamentals and fruits in 23 families and 52 genera	Cosmopolitan, in 23 countries	Sumatra (Zarkani <i>et al.</i> 2020)
<i>Ferrisia virgata</i> (Cockerell)	Polyphagous on ornamentals and fruits in 78 families and 207 genera	Cosmopolitan, in 101 countries	Irian Jaya (Williams & Watson 1988b; Gavrilov-Zimin 2013), Java (Keuchenius 1915; Betrem 1937; Ali 1968; Ben-Dov 1994; Williams 2004), Sulawesi (Williams 2004)
<i>Formicococcus</i> Takahashi			
<i>Formicococcus dispersus</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Formicococcus lingnani</i> (Ferris)	<i>Areca catechu</i> ; <i>Cyperus rotundus</i> ; <i>Oryza sativa</i> ; <i>Saccharum officinarum</i> ; <i>Sorghum bicolor</i>	China, India, Indonesia, Malaysia, Thailand	Java (Williams 2004)
<i>Formicococcus sibolangiticus</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Hippeococcus</i> Reyne			
<i>Hippeococcus bundericus</i> Williams*	On undetermined host	Indonesia	Java (Williams 2002, 2004)
<i>Hippeococcus rappardi</i> Reyne*	Burseraceae, <i>Eugenia</i> sp., <i>Eupatorium</i> sp., <i>Ficus variegata</i> , <i>Litsea confusa</i> , <i>Rubus</i> sp.	Indonesia	Java (Reyne 1954a; Ben-Dov 1994)
<i>Hippeococcus wegneri</i> Reyne*	<i>Asparagus aethiopicus</i> , <i>Cyclanthera brachystachya</i> , <i>Diospyros kaki</i> , <i>Piper</i> sp.	Indonesia	Java (Reyne 1954a; Ben-Dov 1994; Williams 2004)
<i>Hordeolicoccus</i> Williams			

<i>Hordeolicoccus eugeniae</i> (Takahashi)	<i>Eugenia</i> sp., <i>Nephelium lappaceum</i> , <i>Saraca thaipingensis</i>	Indonesia, Malaysia, Singapore	Java (Williams 2004)
<i>Hordeolicoccus heterotrichus</i> Williams	Burseraceae, <i>Crypteronia griffithii</i> , <i>Eugenia</i> , <i>Garcinia mangostana</i> , <i>Knema</i> sp., <i>Neonauclea</i> sp., <i>Saraca thaipingensis</i> , <i>Nephelium lappaceum</i>	Cambodia, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Sulawesi (Williams 2004)
<i>Lanceacoccus</i> Williams			
<i>Lanceacoccus australasiacus</i> Williams*	<i>Breynia cernua</i>	Indonesia	Java, Sulawesi (Williams 2004)
<i>Komodesia</i> Gavrilov-Zimin			
<i>Komodesia circuliplurima</i> (Gavrilov-Zimin)*	Poaceae	Indonesia	Flores (Gavrilov-Zimin 2016)
<i>Leptococcus</i> Reyne			
<i>Leptococcus metroxyli</i> Reyne	<i>Ananas</i> sp., <i>Cocos nucifera</i> , <i>Metroxylon</i> sp.	Indonesia, Papua New Guinea	Irian Jaya (Williams & Watson, 1988b)
<i>Leptococcus sakai</i> (Takahashi)	<i>Gnetum tenuifolium</i> , <i>Nipa</i> sp.	Malaysia	Sulawesi (Williams 2004)
<i>Maconellicoccus</i> Ezzat			
<i>Maconellicoccus hirsutus</i> (Green)	Polyphagous on ornamentals and fruits in 78 families and 222 genera.	Cosmopolitan, in 79 countries	Bali (Williams 2004), Flores (Gavrilov-Zimin 2017), Irian Jaya (Williams 1996), Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Lombok (Williams 1996, 2004), Sulawesi (Williams 1996; Watson <i>et al.</i> 2014), Sumatra (Williams 1996)

<i>Maconellicoccus multipori</i> (Takahashi)	<i>Alectryon</i> sp., <i>Averrhoa carambola</i> , <i>Crypteronia griffithii</i> , <i>Daemonorops</i> sp., <i>Durio</i> sp., <i>Endospermum diadenum</i> , <i>Garcinia</i> sp., <i>Gironniera parvifolia</i> , <i>Shorea</i> sp., <i>Macaranga conifera</i> , <i>M. gigantea</i> , <i>M. hullettii</i> , <i>M. hypoleuca</i> , <i>M. triloba</i> , <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Piper betle</i> , <i>P. nigrum</i> , <i>Poikilospermum</i> sp., <i>Theobroma cacao</i>	India, Indonesia, Malaysia, Nepal, Philippines, Singapore, Thailand	Sumatra (Williams 2004)
Mollicoccus Williams			
<i>Mollicoccus guadalcanalanus</i> Williams	<i>Pipturus</i> sp.	Indonesia, Solomon Is	Irian Jaya (Gavrilov-Zimin 2013)
Malaicoccus Takahashi			
<i>Malaicoccus riouwensis</i> Takahashi*	<i>Piper</i> sp.	Indonesia	Sumatra (Ben-Dov 1994; Takahashi 1950; Williams, 1978, 2004)
<i>Malaicoccus sumatranus</i> Williams*	<i>Poikilospermum</i> sp.	Indonesia	Sumatra (Williams 2002)
Mutabilicoccus Williams			
<i>Mutabilicoccus vanheurni</i> (Reyne)	<i>Artocarpus</i> sp., <i>Theobroma cacao</i>	Indonesia, Papua New Guinea	Irian Jaya (Williams & Watson 1988b)
Nipaecoccus Šulc			
<i>Nipaecoccus nipae</i> (Maskell)	Polyphagous on ornamentals and fruits in 49 families and 106 genera	Cosmopolitan, in 59 countries	Java (Williams 2004)
<i>Nipaecoccus pseudofilamentosus</i> (Betrem)*	<i>Citrus</i> sp., <i>Coffea arabica</i> , <i>Erythrina</i> sp.	Indonesia	Java (Betrem 1937; Ben-Dov 1994)
<i>Nipaecoccus viridis</i> (Newstead)	Polyphagous on ornamentals and fruits in 45 families and 114 genera	Cosmopolitan, in 63 countries	Irian Jaya (CABI 1983; Ben-Dov 1994), Java (CABI 1983; Ben-Dov 1994; Williams 2004), Sulawesi (Williams 2004)

Palmicultor Williams*Palmicultor lumpurensis* (Takahashi)

Arundinaria sp., *Bambusa* sp., *B. blumeana*, *B. multiplex*, *B. ventricosa*, *B. vulgaris*, *Bashania yongdeensis*, *Chimonobambusa* sp., *Dendrocalamus hamiltonii*, *Gigantochloa atrovioleacea*, *Guadua angustifolia*, *Lingnania cerosissima*, *L. chungii*, *Phyllostachys edulis*, *P. glauca*, *P. pubescens*, *P. nigra*, *Pseudosasa japonica*, *Sphaerobambos philippinensis*

Australia, China, France, Hongkong, Indonesia, Malaysia, Philippines, South Korea, United States, Vietnam

Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)

Palmicultor palmarum (Ehrhorn)

Acacia asak, *Areca catechu*, *Borassus flabellifer*, *Caryota mitis*, *Cocos nucifera*, *Dyopsis lutescens*, *Elaeis guineensis*, *Freycinetia* sp., *Hyophorbe indica*, *Licuala* sp., *Phoenix roebelenii*, *Phyllostachys* sp., *Roystonea regia*, *Thrinax* sp., *Washingtonia filifera*

Cosmopolitan, in 30 countries

Java, Sulawesi, Sumatra (Williams 2004)

Paracoccus Ezzat & McConnell*Paracoccus evae* Williams*

Eupatorium sp., *Poaceae*

Indonesia

Java (Williams 2004)

<i>Paracoccus interceptus</i> Lit	<i>Annona cherimola</i> , <i>Artocarpus</i> sp., <i>Bambusa</i> sp., <i>Citrus aurantiifolia</i> , <i>Cynometra cauliflora</i> , <i>Dendrobium</i> sp., <i>Dimocarpus longan</i> , <i>Durio</i> sp., <i>Ficus</i> sp., <i>Garcinia mangostana</i> , <i>Hoya pachyclada</i> , <i>Lansium domesticum</i> , <i>Litchi chinensis</i> , <i>Mangifera indica</i> , <i>Melastoma</i> sp., <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Piper nigrum</i> , <i>Platonia esculenta</i> , <i>Psidium guajava</i> , <i>Rhynchostylis retusa</i> , <i>Spondias dulcis</i> , <i>Strychnos vanprukii</i> , Zingiberaceae	Benin, Brunei, India, Cambodia, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam	Irian Jaya (Williams 2004; Gavrilov-Zimin 2013)
<i>Paracoccus marginatus</i> Williams & Granara de Willink	Polyphagous on ornamentals and fruits in 49 families and 136 genera	Cosmopolitan, in 51 countries	Bali (Ahmed <i>et al.</i> 2015), Java, Sulawesi (Muniappan <i>et al.</i> 2008)
Paraputo Laing			
<i>Paraputo acehicus</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo corbetti</i> (Takahashi)	<i>Mangifera indica</i>	Indonesia, Malaysia	Java (Williams 2004)
<i>Paraputo errabundus</i> Williams	<i>Neonauclea</i> sp., <i>Rhizophora</i> sp., <i>Xylocarpus</i> sp.	Andaman Is, Brunei, Indonesia	Sulawesi (Williams 2004)
<i>Paraputo leveri</i> (Green)	<i>Balanophora</i> sp., <i>Bischofia javanica</i> , <i>Cocos nucifera</i> , <i>Coffea arabica</i> , <i>C. canephora</i> , <i>Colocasia esculenta</i> , <i>Ficus</i> sp., <i>F. septica</i> , <i>Inocarpus fagifer</i> , <i>Mangifera indica</i> , <i>Syzygium aromaticum</i> , <i>Vitis vinifera</i>	American Samoa, Federated States of Micronesia, Fiji, Indonesia, Malaysia, Papua New Guinea, Solomon Is, Thailand, Tonga, Vanuatu, Western Samoa	Java (Williams 2004)
<i>Paraputo mangiferae</i> (Betrem)*	<i>Mangifera indica</i>	Indonesia	Java (Betrem 1937; Ben-Dov 1994)
<i>Paraputo martini</i> Williams*	<i>Pothos</i> sp.	Indonesia	Sulawesi (Williams 2004)

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<i>Paraputo maschwitzi</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo moogi</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo neonaucleae</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo odontomachi</i> (Takahashi)	<i>Bischofia</i> sp., <i>Crypteronia griffithii</i> , <i>C. macrophylla</i> , <i>Elaeocarpus petiolatus</i> , <i>Garcinia mangostana</i> , <i>Neonauclea</i> sp.	India, Malaysia, Philippines, Singapore, Vietnam	Sumatra (Williams 2004)
<i>Paraputo palmicola</i> Williams*	<i>Arecaceae</i>	Indonesia	Sulawesi (Williams 2004)
<i>Paraputo pandanicola</i> Williams* ⁺	<i>Pandanus</i> sp.	Indonesia	? (Williams 2004)
<i>Paraputo riparius</i> Williams*	<i>Sapindaceae</i>	Indonesia	Sulawesi (Williams 2004)
Pedrococcus Mamet			
<i>Pedrococcus glandulitubulatus</i> Gavrilov-Zimin*	On leaf of undefined-undetermined tree	Indonesia	Bali (Gavrilov-Zimin 2017b)
Phenacoccus Cockerell			
<i>Phenacoccus manihoti</i> Matile-Ferrero	<i>Boerhavia diffusa</i> , <i>Citrus</i> sp., <i>Cyperus</i> sp., <i>Glycine max</i> , <i>Manihot esculenta</i> , <i>Ocimum</i> sp., <i>Sida rhombifolia</i> , <i>Solanum</i> sp., <i>Talinum triangulare</i>	Cosmopolitan, in 37 countries	Java (Muniappan <i>et al.</i> 2011), Bali (Supartha <i>et al.</i> 2020)
<i>Phenacoccus parvus</i> Morrison	Polyphagous on ornamentals and fruits in 27 families and 59 genera	Cosmopolitan, in 45 countries	Sumatra (Williams 2004)
<i>Phenacoccus solenopsis</i> Tinsley	Polyphagous on ornamentals and fruits in 64 families and 204 genera	Cosmopolitan, in 49 countries	Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)
Planococcus Ferris			

<i>Planococcus angkorensis</i> (Takahashi) ⁺²	Polyphagous on ornamentals and fruits in 17 families and 23 genera: Anacardiaceae, Apodidae, Daphniphyllaceae, Dioscoreaceae, Euphorbiaceae, Fabaceae, Loganiaceae, Lythraceae, Meliaceae, Moraceae, Myrtaceae, Piperaceae, Primulaceae, Rubiaceae, Sapindaceae, Scrophulariaceae, Urticaceae	China, India, Indonesia, Cambodia, Malaysia, Philippines, Taiwan, Thailand, Vietnam	Lombok, Sumatra (Williams 2004)
<i>Planococcus citri</i> (Risso) ⁺	Polyphagous on ornamentals and fruits in 83 families and 196 genera	Cosmopolitan, in 161 countries	Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Kalimantan, Sulawesi (CABI 1995), Sumatra (Green 1930)
<i>Planococcus dischidiae</i> (Takahashi)	<i>Dischidia</i> sp.	Indonesia, Malaysia	Sulawesi (Cox 1989; Ben-Dov 1994; Williams 2004)
<i>Planococcus lilacinus</i> (Cockerell)	Polyphagous on ornamentals and fruits in 36 families and 71 genera	Cosmopolitan, in 34 countries	Bali (CABI 1995), Flores (Gavrilov-Zimin 2017), Irian Jaya (Williams & Watson 1988b; Ben-Dov 1994), Java (Newstead 1908; Betrem 1937; Williams 2004), Kalimantan (Cox 1989; Ben-Dov 1994), Lombok (CABI 1995), Sulawesi (Gavrilov-Zimin 2013), Sumatra (Williams 2004)

<i>Planococcus minor</i> (Maskell) ⁺	Polyphagous on ornamentals and fruits in 73 families and 196 genera	Cosmopolitan, in 64 countries	Irian Jaya (Ben-Dov 1994) (Williams & Watson 1988b), Java (Williams 2004), Kalimantan (Cox 1989; Ben-Dov, 1994), Lombok, Sulawesi (Williams, 2004), Sumatra (Cox 1989; Ben-Dov, 1994; Williams 2004)
<i>Planococcus sulawesi</i> Cox*	<i>Ficus</i> sp., Urticaceae	Indonesia	Sulawesi (Cox 1989; Ben-Dov 1994; Williams 2004)
<i>Pseudococcus</i> Westwood <i>Pseudococcus aurantiacus</i> Williams	<i>Averrhoa carambola</i> , <i>Callerya nieuwenhuisii</i> , <i>Crypteronia griffithii</i> , <i>Garcinia mangostana</i> , <i>Lansium domesticum</i> , <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Ryparosa fasciculata</i> , <i>Schefflera</i> sp., <i>Strychnos vanprukii</i>	Brunei, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Sumatra (Williams 2004)
<i>Pseudococcus baliteus</i> Lit	<i>Artocarpus odoratissimus</i> , <i>Citrus aurantium</i> , <i>Dimocarpus longan</i> , <i>Dracaena</i> sp., <i>Durio zibethinus</i> , <i>Ficus elastica</i> , <i>Garcinia mangostana</i> , <i>Litchi chinensis</i> , <i>Nephelium lappaceum</i> , <i>Osbornia octodonta</i> , <i>Poikilospermum suaveolens</i> , <i>Pouteria</i> sp., <i>Psidium guajava</i> , <i>Syzygium</i> sp.	Cambodia, China, India, Indonesia, Myanmar, Philipphines, Singapore, Thailand, Vietnam	Sulawesi (Williams 2004)
<i>Pseudococcus calceolariae</i> (Maskell)	Polyphagous on ornamentals and fruits in 44 families and 81 genera	Cosmopolitan, in 34 countries	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus comstocki</i> (Kuwana)	Polyphagous on ornamentals and fruits in 43 families and 67 genera	Cosmopolitan, in 34 countries	Java (Betrem 1937; Ben-Dov 1994)

<i>Pseudococcus cryptus</i> Hempel	Polyphagous on ornamentals and fruits in 42 families and 73 genera	Cosmopolitan, in 42 countries	Java (Sartiarni et al., 2016), Lombok (Williams 2004), Sulawesi (Williams 2004; Watson et al. 2014), Sumatra (Williams 2004) ? (Ben-Dov 1994; Williams 1985, 2004)
<i>Pseudococcus dendrobiorum</i> Williams	<i>Ascoglossum calopterum</i> , <i>Cymbidium</i> sp., <i>Dendrobium</i> sp., <i>D. bigibbum</i> , <i>D. canaliculatum</i> , <i>D. discolor</i> , <i>D. johnsoniae</i> , Orchidaceae sp., <i>Phalaenopsis sanderiana</i> , <i>P. schilleriana</i> , <i>Pholidota</i> sp., <i>Pomatocalpa spicatum</i>	Australia, Guam, Hawaiian Is, India, Indonesia, Malaysia, Papua New Guinea, Philippines, South Korea, Sri Lanka, Thailand, United States	
<i>Pseudococcus gilbertensis</i> Beardsley ⁺	<i>Asparagus cochinchinensis</i> , <i>Bischofia javanica</i> , <i>Calophyllum</i> sp., <i>C. inophyllum</i> , <i>Citrus</i> sp., <i>Ci. japonica</i> , <i>Chrysophyllum cainito</i> , <i>Ligustrum sinense</i> , <i>Lycium</i> sp., <i>Mangifera indica</i> , <i>Fabaceae</i> , <i>Ficus</i> sp., <i>Gnetum gnemon</i>	Bonin Is, Indonesia, Kiribati, Philippines	Sulawesi (Williams 2004)
<i>Pseudococcus jackbeardsleyi</i> Gimpel & Miller	Polyphagous on ornamentals and fruits in 52 families and 112 genera	Cosmopolitan, in 52 countries	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Williams 2004)
<i>Pseudococcus longispinus</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 84 families and 167 genera	Cosmopolitan, in 115 countries	Irian Jaya (Ben-Dov 1994; Williams & Watson 1988b), Java (Betrem 1937; Ben-Dov 1994), Lombok (Williams 2004), Sulawesi (Watson et al. 2014), Sumatra (Green 1930)

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<i>Pseudococcus maritimus</i> (Ehrhorn)	Polyphagous on ornamentals and fruits in 44 families and 71 genera	Argentina, Armenia, Bermuda, Brazil, Canada, Chile, Colombia, French Guiana, Georgia, Guadeloupe, Guatemala, Indonesia, Madeira Is, Mexico, Poland, Puerto Rico & Vieques, United States	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus pseudocitriculus</i> Betrem	<i>Coffea canephora</i> , <i>Sonchus arvensis</i> , <i>Tephrosia vogelii</i>	Indonesia	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus saccharicola</i> Takahashi	<i>Arundo donax</i> , <i>Brachiaria mutica</i> , <i>Chloris barbata</i> , <i>C. radiata</i> , <i>Cynodon dactylon</i> , <i>Eriochloa polystachya</i> , <i>Imperata</i> , <i>Oryza sativa</i> , Poaceae, <i>Saccharum bengalense</i> , <i>S. officinarum</i> , <i>S. robustum</i> , <i>S. spontaneum</i> , <i>Sorghum halepense</i>	Andaman Is, Bangladesh, British Virgin Is, India, Indonesia, Malaysia, Pakistan, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand	Java (Wirjati 1959; Ben-Dov 1994; Williams 2004)
<i>Pseudococcus viburni</i> (Signoret)	Polyphagous on ornamentals and fruits in 88 families and 242 genera	Cosmopolitan, in 59 countries	Java (Williams 2004)
<i>Rastrococcus Ferris</i>			
<i>Rastrococcus balinensis</i> Buchner*	Host plant not indicated	Indonesia	Bali (Buchner 1957)
<i>Rastrococcus biggeri</i> Williams & Watson	<i>Ficus</i> sp., <i>Isonia spectabilis</i> , <i>Macaranga tanarius</i> , Poaceae	Indonesia, Philippines, Solomon Is	Irian Jaya (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus chinensis</i> Ferris	<i>Alocasia</i> sp., <i>Ardisia lindleyana</i> , <i>Eugenia</i> sp., <i>Melastoma malabathricum</i> , <i>Morinda umbellata</i> , <i>Psychotria asiatica</i> , <i>Syzygium</i> sp., <i>S. anomalum</i> , <i>S. hancei</i>	Brunei, China, Indonesia, Malaysia	Java (Ben-Dov 1994; Williams 1989, 2004)

<i>Rastrococcus expeditionis</i> Williams*	Sapotaceae	Indonesia	Irian Jaya (Gavrilov-Zimin 2013), Sulawesi (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus invadens</i> Williams	Polyphagous on ornamentals and fruits in 29 families and 54 genera	Cosmopolitan, in 32 countries	Bali, Java (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus jabadiu</i> Williams	<i>Clausena excavata</i> , <i>Ficus ampelas</i> , <i>Nephelium lappaceum</i> , <i>Sandoricum</i> sp.	Indonesia, Philippines, Singapore, Thailand	<u>Java, Bogor,?</u> (Ben-Dov 1994 ; Williams 1989, 2004)
<i>Rastrococcus kendariensis</i> Gavrilov*	On leaf of dicotyledonous tree	Indonesia	Sulawesi (Gavrilov-Zimin 2013)
<i>Rastrococcus neoguineensis</i> Williams & Watson	<i>Cocos nucifera</i> , <i>Ficus</i> sp., <i>Harpullia</i> sp., <i>Heritiera littoralis</i>	Papua New Guinea	Irian Jaya (Williams & Watson 1988b; Ben-Dov 1994)
<i>Rastrococcus rubellus</i> Williams	<i>Citrus aurantium</i> , <i>C. maxima</i> , <i>C. microcarpa</i> , <i>Mangifera indica</i> , <i>Mallotus</i> sp., <i>M. paniculatus</i> , <i>Plumeria rubra</i>	Hong Kong, Indonesia, Laos, Malaysia, Sri Lanka	Java (Williams 2004)
<i>Rastrococcus spinosus</i> (Robinson)	Polyphagous on ornamentals and fruits in 19 families and 24 genera	Bangladesh, Brunei, Cambodia, India, Indonesia, Laos, Malaysia, Pakistan, Philippines, Singapore, Taiwan, Thailand, Vietnam	Bali (Williams 1989, 2004), Java (Green 1922; Betrem 1937; Williams 2004), Lombok (Williams 2004), Sulawesi (Williams 1989, 2004), Sumatra (Williams 2004)
<i>Rastrococcus vicorum</i> Williams & Watson	<i>Citrus</i> sp., <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>C. reticulat</i> , <i>Coffea</i> sp., <i>Plumeria rubra</i> , <i>Psidium guajava</i>	Indonesia, Malaysia, Papua New Guinea	Sulawesi (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus wilsoni</i> Williams* Saccharicoccus Ferris	On stem of young tree	Indonesia	Sumatra (Williams 2004)

<i>Saccharicoccus sacchari</i> (Cockerell)	<i>Cocos nucifera</i> , <i>Cortaderia</i> sp., <i>Cymbopogon caesius</i> , <i>Imperata cylindrica</i> , <i>Miscanthus floridulus</i> , <i>M. sinensis</i> , <i>Oryza sativa</i> , <i>Phragmites</i> sp., <i>Saccharum</i> sp., <i>S. officinarum</i> , <i>S. sinense</i> , <i>S. spontaneum</i> , <i>Sorghum bicolor</i> , <i>So. halepense</i>	Cosmopolitan, in 78 countries	Java (CABI 1959; Ben-Dov 1994; Williams 2004)
RHIZOECIDAE Williams			
<i>Eumyrmococcus</i> Silvestri			
<i>Eumyrmococcus falciculosus</i> (Williams)*	Primary forest litter	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus kruiensis</i> Williams*	In soil of dammar plantation	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus lanuginosus</i> Williams*	In the nest of unidentified ant	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus sulawesicus</i> Williams*	Toraut forest	Indonesia	Sulawesi (Williams 1998)
<i>Geococcus</i> Green			
<i>Geococcus coffeae</i> Green	Polyphagous on roots of ornamentals and fruits in 30 families and 56 genera	Cosmopolitan, in 58 countries	Java (Williams 1969; Ben-Dov 1994), Sulawesi (Williams 2004)
<i>Geococcus hauseri</i> Williams	In forest soil	Indonesia, Malaysia	Sumatra (Williams 2004)
<i>Leptorhizoecus</i> Williams			
<i>Leptorhizoecus deharvengi</i> Williams*	<i>Hevea</i> sp.	Indonesia	Sumatra (Williams 1998, 2004)
<i>Ripersiella</i> Tinsley			
<i>Ripersiella bedosae</i> (Williams)*	Leaf litter	Indonesia	Sumatra (Williams 2004)
<i>Ripersiella multiporifera</i> Jansen	<i>Dracaena</i> sp., <i>D. angustifolia</i> , <i>D. surculosa</i> , <i>Hoya kerrii</i> , [<i>Sansevieria</i>] = <i>Dracaena</i> sp.	China, Indonesia, Malaysia, Thailand, Vietnam	? (Jansen 2008)
<i>Ripersiella sumatrensis</i> (Williams)*	Primary forest soil, extracted by Berlese apparatus	Indonesia	Sumatra (Williams 2004)
<i>Rhizoecus</i> Künckel d'Herculais			

<i>Rhizoecus amorphophalli</i> Betrem	<i>Amorphophallus</i> sp., <i>A. variabilis</i> , <i>Asplenium</i> sp., <i>Colocasia</i> <i>esculenta</i> , <i>Cordyline fruticosa</i> , <i>Curcuma longa</i> , <i>Dioscorea</i> <i>elephantipes</i> , <i>Kaempferia galanga</i> , <i>Zingiber officinale</i> , <i>Z. zerumbet</i>	Federated States of Micronesia, Guadeloupe, Hawaiian Is, India, Indonesia, Malaysia, Philippines, Thailand, United Kingdom, Vietnam	Java (Betrem 1940; Ben- Dov 1994; Williams 2004), Sumatra (Williams 2004)
<i>Rhizoecus pignerator</i> Williams*	Extracted from soil by Berlese apparatus	Indonesia	Sumatra (Williams 2004)
<i>Xenococcus Silvestri</i>			
<i>Xenococcus acropygae</i> Williams	<i>Cocos nucifera</i> , <i>Vitis vinifera</i>	Australia, India, Indonesia, Malaysia, Papua New Guinea, Philippines, Singapore, Solomon Is, Vietnam	Java (Williams 2004), Sulawesi (Williams 1998; Williams 2004)

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Comments

Personally I doubt that this list could be useful for plant quarantine legislation in Indonesia or plant quarantine service, mostly because there is no information if a species is native or an alien introduced.

Several species are marked with a question mark that means “unknown locations”, but, f.i. some of them are species described by Takahashi and the type location is clearly indicated in ScaleNet, but the authors didn't make any effort to read anything, nor the papers they reported in References. They simply copied everything from ScaleNet without checking any reported data.

By the way, 8 pages of references are really too many, it was enough just Garcia Morales et al. and this is not reported!

They didn't check/read the recent paper by Sartiami *et al.* (2016) even if this one is in their reported References, so that *Hordeolicoccus nephelii* (Takahashi, 1939) is not present in their list (see Sartiami et al. 2016: Bogor, 5.iv.1958) and other distributional data were not reported (i.e. *Antonina thaiensis*, collected on bamboo in Java).

Several species report Nakahara (1982) or Suh, S.-J. & Ji, J. (2009) and Suh. (2016) as references for distribution: these are clearly reports on introductions but the species are not marked with + (that according to “Material and methods”, is indicative of species recorded from interceptions in other countries).

I corrected some mistakes and added several distributional data, but at the end I gave up, because they are too many and this is not my work...

I wonder why Bora Kaydan is reported among the authors: I feel sure he didn't read this paper.

In my opinion there are no reason to publish it in *Zootaxa*, whose papers are usually of good or high level.

It could be published by a local bulletin of Plant Protection or Entomology as it is of faunal interest.

A checklist of Indonesian scale insects (Hemiptera: Coccoomorpha)

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Abstract

Scale insects (Hemiptera: Sternorrhyncha: Coccoomorpha) are a very important insect group containing numerous pests of woody and herbaceous plants worldwide. The only complete study of any scale insects in Indonesia was by D.J. Williams on the mealybugs (family Pseudococcidae), published in 2004; the other scale insect families have only been documented in various small publications. Here we provide a complete checklist of the scale insects of Indonesia, which now contains 353 species belonging to 124 genera in 11 families. The family Diaspididae is the most diverse, with 113 species in 43 genera, followed by Pseudococcidae with 103 species in 31 genera, and Coccidae with 65 species in 22 genera. The other families covered are: Monophlebidae (27 species in 8 genera), Rhizoecidae (13 species in 6 genera), Asterolecaniidae (11 species in 5 genera), Leconodiaspididae (7 species in 3 genera), Cerococcidae (5 species in 3 genera), Ortheziidae (4 species in 2 genera), Eriococcidae (4 species in 2 genera), and Kermesidae (1 species, 1 genus).

Key words: Sternorrhyncha, Coccoidea, systematic list, Indonesia, taxonomy

Comment [GW1]: Only include words not in the title

Introduction

Indonesia is the largest archipelago country in the world, consisting of about 17,504 Is spread across 1,910,931 km² (CBD Secretariat 2021). As one of the twelve “mega-diverse countries”, Indonesian biodiversity has mostly been measured for higher plants, exotic tropical fruits, vertebrates, and invertebrates including insects (McNeely *et al.* 1990). Indonesian flora diversity represents 10% of the world’s flowering plants, estimated at 25,000 species of which about 55% are indigenous. For faunal diversity, Indonesia has 12% of the world’s mammals, about 515 species, 16% of the world’s reptiles (781 species), and 35 species of primate. Further, 17% of the world’s birds (about 1,592 species) and 270 species of amphibians live in Indonesia (CBD Secretariat 2021). Its high species diversity is the result of an unique geological and evolutionary history combined with the wide variety of habitats associated with over 17,000 Is, large and small (Arifin & Nakagoshi 2011).

The documentation of insect species in Indonesia first started in the British, Dutch and Japan colonial eras, respectively, resulting in the description of many Indonesian native species as new to science. After Dammerman (1929) described many species in the

agricultural zoology of the Malay Archipelago, and Wirjati (1958; 1959) published small papers on Indonesian scale insects. Kalshoven (1981) published a monumental textbook entitled “Pests of Crops in Indonesia” that listed almost all the pest insect species living in Indonesia, including scale insect pests (Hemiptera: Sternorrhyncha; Coccothraupidae). Although listing of the Indonesian insect fauna was started by foreign scientists a long time ago, it is still incomplete. In the last five years, more than a hundred new insect species were identified in Indonesia (Riedel & Narakusumo 2019). The geographic dimension of Indonesian biodiversity, particularly species endemism across geographical gradients, is not well accounted for. There are many new species and new distribution records that have not been investigated yet.

For Indonesia, the only comprehensive review made of any scale insect family is for the mealybugs (family Pseudococcidae *sensu lato*), which were documented in the large monograph for the region of southern Asia by Williams (2004). The monograph described 354 species in 62 genera of Pseudococcidae *sensu lato*, including all the valid species names recorded from Indonesia. Further small contributions on the scale insect fauna of Indonesia have been made by Sartiami *et al.* (1999; 2016; 2017), Gavrilov-Zimin (2013; 2019) and Zarkani *et al.* (2020) recorded several additions to the fauna. To date, the documentation of scale insect species has been continued sporadically and incompletely.

Most slide mounts of scale insects from Indonesia in major world museums were collected from Java Island. However, the scale insect fauna of the other large Is like Kalimantan, New Guinea, Sulawesi and Sumatra are only fragmentarily represented in these collections. In addition, the scale insects of most of the numerous small Indonesian islands have never been studied. Here we have explored the literature and listed the scale insect species recorded living in Indonesia to date.

Materials and methods

In this study, the scale insect taxa recorded from Indonesia and their distributions have been listed and arranged as a systematic catalog in alphabetical order, taking into account recent taxonomic changes. The species listed are based on the published literature. Species recorded as plant quarantine interceptions are indicated with a plus mark (+), whilst species native to Indonesia according to Williams (2014) and García Morales *et al.* (2016) are indicated by an asterisk (*) after the species name. Furthermore, the unknown locations of species that were first found in Indonesia are indicated with a question mark (?). In cases where no information was given about the species, this is indicated by a dash (-). The distribution information for the species is given according to the five largest Is in Indonesia; namely Sumatra, Java, Kalimantan, Sulawesi, Irian Jaya (part of New Guinea), Bali and Flores.

Result and discussion

In this study, we update the list of Coccothraupidae for Indonesia, which now contains 353 species belonging to 124 genera in 11 families. The number of species in Indonesia has increased slowly in the last 16 years, by 53 species (one-sixth of the previous list). Although the species listed mostly have an Indo-Malayan distribution, 111 are regarded as cosmopolitan species. The family Diaspididae is the most diverse, with 113 species in 43 genera, followed by Pseudococcidae with 103 species in 31 genera, and Coccidae with 65 species in 22 genera. The other families covered are: Monophlebidae (27 species in 8 genera), Rhizoecidae (13 species in 6 genera), Asterolecaniidae (11 species in 5 genera),

Leconodiaspidae (7 species in 3 genera), Cerococcidae (5 species in 3 genera), Ortheziidae (4 species in 2 genera), Eriococcidae (4 species in 2 genera), and Kermesidae (1 species, 1 genus) (Table 1).

Study of the checklist revealed that about 108 of the scale insect species are endemic to Indonesia. This reflects Indonesia's biodiversity, which has a large number of indigenous medicinal plants, flowering plants, mammals, reptiles and birds (CBD Secretariat 2021). In terms of Indonesian insect diversity, however, this biodiversity has not been clearly stated. The high species richness of both flora and fauna in Indonesia is affected by the geographical location of the Is, astride major sea lanes connecting East Asia, South Asia and Oceania, with altitudes between 0 and 5000 meters above sea level. Indonesia is also split by the equator; almost all of it has a tropical climate classified as Af, a hot, humid climate with the minimum and maximum temperatures averaging 23–28°C and a relative humidity of 70–90%. As a transcontinental country, Indonesia consists of Is geologically considered as part of either Asia or Australia. At the beginning of the last ice age (dates?), the western part of Indonesia (including Bali, Java, Kalimantan and Sumatra) merged with the Asian continent, while the eastern part of Indonesia (the Sahul Plain) was integrated with the Australian continent (Lohman *et al.* 2011).

Acknowledgments

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Table 1. A checklist of scale insect species of Indonesia. Symbols used: intercepted insect species (+); native scale insects species (*); unknown locations (?); and no information available (-). The distribution information is based on the five largest Is in Indonesia: Sumatra, Java, Kalimantan, Sulawesi, Irian Jaya (part of New Guinea), Bali and Flores.

Taxon	Host plant	World distribution	Distribution in Indonesia
ASTEROLECANIIDAE Cockerell			
<i>Asterolecanium</i> Targioni Tozzetti			
<i>Asterolecanium borneense</i> Russell*	<i>Lithocarpus nieuwenhuisii</i>	Indonesia	Kalimantan (Russell 1941)
<i>Asterolecanium garciniae</i> Russell*	<i>Garcinia mangostana</i>	Indonesia	Java (Russell 1941)
<i>Asterolecanium javae</i> Russell*	<i>Ficus ampelas</i> , <i>F. montana</i>	Indonesia	Java (Russell 1941)
<i>Asterolecanium litseae</i> Kuwana	<i>Litsea caulocarpa</i> , <i>L. luzonica</i> , <i>Neolitsea sericea</i> , <i>Psychotria arborescens</i>	Indonesia, Japan, Malaysia, Philippines	? (Kuwana 1916)
<i>Asterolecanium unguatum</i> Russell	<i>Durio zibethinus</i>	Indonesia, Singapore	Java (Russell 1941)
Bambusaspis Cockerell			
<i>Bambusaspis amboinae</i> (Russell)*	<i>Neololeba atra</i>	Indonesia	Maluku (Russell 1941)
<i>Bambusaspis bambusae</i> (Boisduval)	<i>Acalypha</i> sp., <i>A. wilkesiana</i> , <i>Dianthus</i> sp., <i>Diospyros</i> sp., Orchidaceae, <i>Persea americana</i> , <i>Platyclusus orientalis</i> , Poaceae	Cosmopolitan, in 74 countries	Sumatra (Gavrilov-Zimin 2019)
Hyalococcus Russell			
<i>Hyalococcus striatus</i> (Russell)	<i>Citrus</i> sp.	Indonesia, Singapore	Java (Russell 1941)
Pauroaspis Tang			
<i>Pauroaspis daedalea</i> Gavrilov	<i>Bambusa</i> sp.	Indonesia, Thailand	Irian Jaya, Sumatra (Gavrilov-Zimin 2019)
Russellaspis Bodenheimer			
<i>Russellaspis pustulans pustulans</i> (Cockerell)	Polyphagous on ornamentals and fruits in 67 families and 156 genera	Cosmopolitan, in 75 countries	Irian Jaya (Williams & Watson 1990)
<i>Russellaspis sumatrae</i> (Russell)*	<i>Lithocarpus hystrix</i>	Indonesia	Sumatra (Russell 1941)

Comment [GW2]: The rows containing family names often have cells the wrong sizes. Please go through the table and make all the cell sizes line up.

CEROCOCCIDAE Balachowsky			
<i>Antecercococcus</i> Green			
<i>Antecercococcus albospicatus</i> (Green)	<i>Camellia</i> sp., <i>Symplocos</i> sp., <i>S. obtusa</i>	Indonesia, Sri Lanka	Java (Lambdin & Kosztarab 1977)
<i>Antecercococcus ornatus</i> (Green)	<i>Canthium coromandelicum</i> , <i>Carissa</i> sp., <i>Ca. carandas</i> , <i>Coffea arabica</i> , <i>Co. canephora</i> , <i>Dovyalis caffra</i> , <i>Ixora coccinea</i> , <i>Psychotria</i> sp., <i>P. elliptica</i>	India, Pakistan, Singapore, South Africa, Sri Lanka, Taiwan	? (Hua 2000)
<i>Cerochiton</i> Balachowsky			
<i>Cerochiton bernardi</i> Hodgson & Williams*	<i>Theaceae</i> sp.	Indonesia	Java (Hodgson & Williams 2016)
<i>Cerochiton javanensis</i> (Lambdin & Kosztarab)*	<i>Grewia ferruginea</i>	Indonesia	Java (Lambdin & Kosztarab 1977)
<i>Cerococcus</i> Maskell			
<i>Cerococcus indonesiensis</i> Lambdin & Kosztarab*	<i>Piper nigrum</i>	Indonesia	? (Lambdin & Kosztarab 1977)
COCCIDAE Fallén			
<i>Ceroplastes</i> Gray			
<i>Ceroplastes actiniformis</i> Green	Polyphagous on ornamentals and fruits in 13 families and 17 genera	Brazil, Canary Is, China, Egypt, Hong Kong, India, Indonesia, Israel, Sri Lanka	Java (Green 1930; Ali 1971), Sumatra (Ali 1971)
<i>Ceroplastes ceriferus</i> (Fabricius)	Polyphagous on ornamentals and fruits	Cosmopolitan, in 45 countries	? (Beardsley 1986; Williams & Miller 2010)
<i>Ceroplastes cirripediformis</i> Comstock	Polyphagous on ornamentals and fruits in 65 families and 132 genera	Cosmopolitan, in 32 countries	Java (Green 1904)
<i>Ceroplastes floridensis</i> Comstock	Polyphagous on ornamentals and fruits in 67 families and 153 genera	Cosmopolitan, in 71 countries	Irian Jaya (Ben-Dov 1993), Java (Green 1904; Mamet 1943), Sulawesi (CABI 2019)

<i>Ceroplastes magnificus</i> (Green)*	<i>Mangifera odorata</i> , <i>Syzygium aqueum</i>	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Ceroplastes rubens</i> Maskell	Polyphagous on ornamentals and fruits in 82 families and 186 genera	Cosmopolitan, in 47 countries	Java (Hamon & Williams 1984)
<i>Ceroplastes rusci</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 46 families and 74 genera	Cosmopolitan, in 57 countries	Irian Jaya (Ben-Dov 1993)
<i>Ceroplastes sinensis</i> Del Guercio	Polyphagous on ornamentals and fruits in 82 families and 186 genera	Cosmopolitan, in 47 countries	Sulawesi (Gavrilov-Zimin 2013)
<i>Ceroplastes stellifer</i> (Westwood)	Polyphagous on ornamentals and fruits in 22 families and 44 genera	Cosmopolitan, in 58 countries	Irian Jaya (Kalshoven 1981)
<i>Ceroplastes sumatrensis</i> Reyne*	Dicotyledonous shrub or tree	Indonesia	Sumatra (Ali 1971)
Coccus Linnaeus			
<i>Coccus caviramicolus</i> Morrison	<i>Macaranga</i> sp., <i>M. bancana</i> , <i>M. griffithiana</i>	Indonesia Malaysia and Singapore	? (Ben-Dov 1993)
<i>Coccus celatus</i> De Lotto	Polyphagous on ornamentals and fruits in 10 families and 17 genera	Cosmopolitan, in 17 countries	Irian Jaya, Sulawesi (Gavrilov-Zimin 2013)
<i>Coccus discrepans</i> (Green)	Polyphagous on ornamentals and fruits in 9 families and 11 genera	India, Indonesia, Japan, Pakistan, Singapore, Sri Lanka, Taiwan	Sumatra (Ali 1971)
<i>Coccus formicarii</i> (Green)	Polyphagous on ornamentals and fruits in 30 families and 44 genera	Cosmopolitan, in 11 countries: China, Hong Kong, India, Laos, Madagascar, Malaysia, Nepal, Sri Lanka, Taiwan, Thailand	? (Ben-Dov 1993)

<i>Coccus heckrothi</i> Gullan & Kondo	<i>Macaranga aetheadenia</i> , <i>M. bancana</i> , <i>M. hosei</i> , <i>M. indistincta</i> , <i>M. rufescens</i> , <i>M. trachyphylla</i>	Indonesia, Malaysia	Kalimantan (Gullan <i>et al.</i> 2018)
<i>Coccus hesperidum hesperidum</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 124 families and 362 genera	Cosmopolitan, in 142 countries	Irian jaya (Ben-Dov 1993), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Ali 1971)
<i>Coccus hesperidum javanensis</i> (Newstead)*	<i>Coffea liberica</i> , <i>Taxus baccata</i>	Indonesia	Java (Newstead 1908)
<i>Coccus longulus</i> (Douglas)	Polyphagous on ornamentals and fruits in 54 families and 139 genera	Cosmopolitan, in 70 countries	Sumatra (Ali 1971)
<i>Coccus opimus</i> (Green)	<i>Cassia fistula</i>		Java (Sasscer 1915)
<i>Coccus penangensis</i> Morrison	<i>Macaranga angulata</i> , <i>M. bancana</i> , <i>M. glandibracteolata</i> , <i>M. hullettii</i> , <i>M. indistincta</i> , <i>M. petanostyla</i> , <i>M. trachyphylla</i> , <i>M. triloba</i>	Brunei, Indonesia, Malaysia, Singapore	Sumatra (Gullan <i>et al.</i> 2018)
<i>Coccus sulawesicus</i> Gavrilov*	Dicotyledonous shrub	Indonesia	Sulawesi (Gavrilov-Zimin 2013)
<i>Coccus tenebricophilus</i> (Green)*	<i>Erythrina variegata</i>	Indonesia	Java (Green 1904)
<i>Coccus viridis</i> (Green)	Polyphagous on ornamentals and fruits in 61 families and 144 genera	Cosmopolitan, in 93 countries	Bali (Gavrilov-Zimin 2017), Irian Jaya (Kondo 2013), Java (Ali 1971; Kondo 2013), Sulawesi (Gavrilov-Zimin 2013), Sumatra (Ali 1971)
Ctenochiton Maskell			
<i>Ctenochiton carinatus</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Ctenochiton formicophilus</i> Green*	Collected from nest of ants	Indonesia	Sumatra (Green 1930; Ali 1971)

<i>Ctenochiton inclusus</i> Green*	Collected from nest of ants	Indonesia	Sumatra (Green 1930; Ali 1971)
<i>Discochiton</i> Hodgson & Williams			
<i>Discochiton cocophyllae</i> (Banks)	<i>Calamus</i> sp., <i>Cocos nucifera</i> , <i>Dillenia philippinensis</i> , <i>Dypsisis lutescens</i> , <i>Rhapis excelsa</i> , <i>R. humilis</i> , <i>Sabal minor</i>	Cambodia, Japan, Indonesia, Malaysia, Philippines, Singapore, Thailand	Sulawesi (Hodgson & Williams 2018)
<i>Discochiton expansum</i> (Green)	<i>Annona reticulata</i> , <i>Dalbergia</i> sp., <i>Dendrotrophe frutescens</i> , <i>Drypetes</i> sp., <i>Ficus macrophylla</i> , <i>F. microcarpa</i> , <i>F. pumila</i> , <i>F. retusa</i> , <i>Gymnacranthera</i> sp., <i>Litsea glutinosa</i> , <i>Mimusops</i> sp., <i>Morella rubra</i> , <i>Machilus thunbergii</i> , <i>Myristica fragrans</i> , <i>Neolitsea zeylandica</i> , <i>Polyalthia longifolia</i> , <i>Viscum orientale</i> , Zingiberaceae	Australia, Hong Kong, India, Indonesia, Japan, Laos, Papua New Guinea, Taiwan, Thailand, Vietnam	Java (Green 1904; Ali 1971)
<i>Discochiton javanicum</i> (Green)*	<i>Anomianthus heterocarpus</i>	Indonesia	Java (Hodgson & Williams 2018)
<i>Discochiton metallicum</i> (Green)	<i>Annona muricata</i> , <i>Durio zibethinus</i> , <i>Myristica</i> sp., <i>M. fragrans</i>	Indonesia, Malaysia, Philippines, Singapore, Thailand	Java (Green 1904; Ali 1971)
<i>Discochiton milleri</i> (Takahashi)	<i>Annona muricata</i> , <i>Cocos nucifera</i> , <i>Elaeis</i> sp., <i>Ficus religiosa</i> , <i>Mangifera indica</i>	Brunei, Indonesia, Malaysia, Vietnam	Java (Hodgson & Williams 2018)
<i>Discochiton papillatum</i> Hodgson	<i>Coelogyne prolifera</i> , <i>Elaeis guineensis</i> , <i>Piper nigrum</i>	Brunei, India, Indonesia, Malaysia, Thailand	? (Hodgson & Williams 2018)

<i>Discochiton quadratum</i> (Green)	<i>Calophyllum inophyllum</i> , <i>Diplodiscus paniculatus</i> , <i>Garcinia</i> sp., <i>Myristica fragrans</i> , <i>Scolopia oldhamii</i>	Indonesia, Japan, Laos, Philippines, Sri Lanka, Taiwan	Java (Ali 1971)
<i>Discochiton rotundum</i> (Green)	<i>Rhizophora mucronata</i>	Indonesia, Malaysia	Java (Green 1904)
<i>Discochiton trifasciatum</i> (Green)	<i>Drypetes sumatrana</i> , <i>Michelia</i> sp., <i>Piper nigrum</i>	Indonesia, Malaysia, Sri Lanka	Java (Hodgson & Williams 2018)
<i>Discochiton vacuum</i> (Morrison)	<i>Annona muricata</i> , <i>Cinnamomum verum</i> , <i>Cocos nucifera</i> , <i>Ficus</i> sp., <i>F. kurzii</i> , <i>Rhizophora</i> sp.	Brunei, Indonesia, Malaysia, Singapore, Taiwan	? (Ben-Dov 1993)
<i>Drepanococcus</i> Williams & Watson			
<i>Drepanococcus chiton</i> (Green)	<i>Aleurites</i> sp., <i>Annona muricata</i> , <i>Calophyllum inophyllum</i> , <i>Camellia sinensis</i> , <i>Carica papaya</i> , <i>Citrus aurantiifolia</i> , <i>Colubrina</i> sp., Fabaceae, <i>Ficus benjamina</i> , <i>F. retusa</i> , <i>Grevillea papuana</i> , <i>Litsea</i> sp., <i>Semecarpus</i> sp., <i>Solanum melongena</i> , <i>Theobroma cacao</i> , <i>Thespesia populnea</i>	Andaman Is, China, India, Indonesia, Laos, Malaysia, Papua New Guinea, Solomon Is, Sri Lanka, Taiwan, Thailand, Vietnam	Irian Jaya (Williams & Watson 1990), Java (Ali 1971)
<i>Eucalymnatus</i> Cockerell & Parrott			
<i>Eucalymnatus tessellatus</i> (Signoret)	Polyphagous on ornamentals and fruits in 55 families and 110 genera	Cosmopolitan, in 77 countries	Java (Green 1904; Ali 1971)
<i>Inglisia</i> Maskell			
<i>Inglisia speciosa</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Kilifia</i> De Lotto			

<i>Kilifia deltoides</i> De Lotto	<i>Adiantum</i> sp., <i>Anacardium occidentale</i> , <i>Callistemon</i> sp., <i>Camellia</i> sp., <i>Eugenia</i> sp., <i>Cinnamomum</i> sp., <i>Mangifera indica</i> , <i>Psidium guajava</i>	China, Comoros, Indonesia, Kenya, Malaysia, Reunion, Tanzania, Zanzibar	Java (Ben-Dov 1993)
<i>Luzulaspis</i> Cockerell			
<i>Luzulaspis australis</i> (Maskell)	<i>Aristida ramosa</i> , <i>Eragrostis australasica</i> , <i>Poaceae</i> sp., <i>Saccharum officinarum</i> , <i>Yakirra majuscula</i>	Australia, Indonesia	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)
<i>Megalocryptes</i> Takahashi			
<i>Megalocryptes bambusicola</i> (Green)	<i>Bambusa multiplex</i>	Indonesia, Vietnam	Sumatra (Green 1930; Ali 1971)
<i>Megapulvinaria</i> Yang			
<i>Megapulvinaria maxima</i> (Green)	Polyphagous on ornamentals and fruits in 15 families and 24 genera: Anacardiaceae, Annonaceae, Euphorbiaceae, Fabaceae, Malvaceae, Melastomataceae, Meliaceae, Moraceae, Nyctaginaceae, Phyllanthaceae, Piperaceae, Rhamnaceae, Rubiaceae, Rutaceae, Urticaceae	Federated States of Micronesia, India, Indonesia, Laos, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam	Java (Green, 1904; Ali 1971; Hodgson 1994)
<i>Milviscutulus</i> Williams & Watson			
<i>Milviscutulus mangiferae</i> (Green)	Polyphagous on ornamentals and fruits in 42 families and 82 genera	Cosmopolitan, in 63 countries	Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Green 1904), Sulawesi (Gavrilov-Zimin 2013)

<i>Milviscutulus spiculatus</i> Williams & Watson	<i>Epipremnum</i> sp., <i>Ficus septica</i> , <i>F. theophrastoides</i> , <i>Gyrocarpus</i> sp., <i>Mangifera indica</i> , <i>Persea americana</i> , <i>Rhizophora apiculata</i> , <i>Timonius</i> sp.	Indonesia, Papua New Guinea, Solomon Is	Irian Jaya (Williams & Watson 1990)
<i>Paralecanium</i> Cockerell			
<i>Paralecanium acinaces</i> Hodgson*	On leaf of tree	Indonesia	Bali (Hodgson & Williams 2018)
<i>Paralecanium claviseta</i> Hodgson*	<i>Banksia</i> sp.	Indonesia	Sulawesi (Hodgson & Williams 2018)
<i>Paralecanium maculatum</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971; Hodgson & Williams 2018)
<i>Paralecanium minutum</i> Takahashi*	Host plant not indicated	Indonesia	? (Ali 1971)
<i>Paralecanium neomaritimum</i> Takahashi,	<i>Avicennia</i> sp., <i>Rhizophora</i> sp., <i>Syzygium calubcob</i>	Brunei, Indonesia, Malaysia	Sulawesi (Hodgson & Williams 2018)
<i>Paralecanium ovatum</i> Morrison	<i>Cyrtostachys renda</i> , <i>Pandanus</i> sp.	Indonesia, Malaysia, Papua New Guinea, Singapore	? (Ben-Dov 1993)
<i>Parasaissetia</i> Takahashi			
<i>Parasaissetia nigra</i> (Nietner)	Polyphagous on ornamentals and fruits in 95 families and 261 genera	Cosmopolitan, in 125 countries	Irian Jaya (Gavrilov-Zimin 2013), Java (CABI 1997), Sumatra (Ali 1968, 1971)
<i>Platylecanium</i> Cockerell & Robinson			
<i>Platylecanium cocotis</i> Laing	<i>Alpinia purpurata</i> , <i>Cocos nucifera</i>	Indonesia, Papua New Guinea, Solomon Is, Vanuatu	Irian Jaya (Gavrilov-Zimin 2013)
<i>Platylecanium elongatum</i> Takahashi*	Arecaceae	Indonesia	Sumatra (Ali 1971)
<i>Platylecanium riouwense</i> Takahashi*	Host plant not indicated	Indonesia	Sumatra (Ali 1971)
<i>Prococcus</i> Avasthi			
<i>Prococcus acutissimus</i> (Green)	Polyphagous on ornamentals and fruits in 29 Families and 42 Genera	Cosmopolitan, in 22 countries	Sumatra (Ben-Dov 1993)

<i>Pulvinaria</i> Targioni Tozzetti			
<i>Pulvinaria cacao</i> Williams & Watson	<i>Theobroma cacao</i>	Indonesia, Papua New Guinea	Irian Jaya (Gavrilov-Zimin 2013)
<i>Pulvinaria psidii</i> Maskell	Polyphagous on ornamentals and fruits in 67 families and 141 genera	Cosmopolitan, in 98 countries	Flores (Gavrilov-Zimin 2017), Irian Jaya (Ben-Dov 1993; CABI 1994), Java (Green 1904; CABI 1994), Sulawesi (CABI 1994), Sumatra (CABI 1994)
<i>Saccharolecanium</i> Williams			
<i>Saccharolecanium krugeri</i> (Zehntner)	<i>Saccharum</i> sp., <i>S. officinarum</i>	India, Indonesia, Malaysia, Sri Lanka	Java (Hodgson 1994)
<i>Saissetia</i> Soumalainen			
<i>Saissetia coffeae</i> (Walker)	Polyphagous on ornamentals and fruits in 107 families and 294 genera	Cosmopolitan, in 119 countries	Irian Jaya (Kalshoven 1981), Java (Green 1904), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Ali 1971; Watson <i>et al.</i> 2014)
<i>Saissetia miranda</i> (Cockerell & Parrott in Cockerell)	Polyphagous on ornamentals and fruits in 26 families and 58 genera	Cosmopolitan, in 36 countries	Irian Jaya (Ben-Dov 1993)
<i>Saissetia oleae oleae</i> (Olivier)	Polyphagous on ornamentals and fruits in 77 families and 217 genera	Cosmopolitan, in 104 countries	Java (Green 1904)
<i>Takahashilecanium</i> Kondo			
<i>Takahashilecanium rotundum</i> (Takahashi)	Host plant not indicated	Brunei, Indonesia	Sumatra (Ali 1971)
<i>Tectopulvinaria</i> Hempel			
<i>Tectopulvinaria latidigitata</i> Gavrilov-Zimin*	On twig of unidentified tree	Indonesia	Bali (Gavrilov-Zimin 2017)
<i>Xenolecanium</i> Takahashi			
<i>Xenolecanium takahashii</i> Kondo*	<i>Eugenia</i> sp.	Indonesia	Sumatra (Kondo <i>et al.</i> 2005)

DIASPIDIDAE Targioni Tozzetti			
<i>Acanthaspidotus</i> Borchsenius & Williams			
<i>Acanthaspidotus pustulans</i> (Green)*	<i>Erythrina variegata</i>	Indonesia	Java (Green 1905; Sanders 1906)
<i>Allantomytilus</i> Leonardi			
<i>Allantomytilus dacryoides</i> Williams & Watson*	On unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Aonidiella</i> Berlese & Leonardi			
<i>Aonidiella aurantii</i> (Maskell)	Polyphagous on ornamentals and fruits in 84 families and 178 genera	Cosmopolitan, in 88 countries	Java (Green 1904; Kalshoven 1981; Dao <i>et al.</i> 2018)
<i>Aonidiella citrina</i> (Coquillett)	Polyphagous on ornamentals and fruits in 26 families and 42 genera	Cosmopolitan, in 53 countries	? (Nakahara 1982)
<i>Aonidiella inornata</i> McKenzie	Polyphagous on ornamentals and fruits in 24 families and 32 genera	Cosmopolitan, in 26 countries	Irian Jaya (Williams & Watson 1988a)
<i>Aspidiella</i> Leonardi			
<i>Aspidiella sacchari</i> (Cockerell)	<i>Alocasia</i> sp., <i>Casearia aculeata</i> , Poaceae	Cosmopolitan, in 37 countries	? (Nakahara 1982)
<i>Aspidiotus</i> Bouché			
<i>Aspidiotus destructor</i> Signoret	Polyphagous on ornamentals and fruits in 71 families and 130 genera	Cosmopolitan, in 96 countries	Irian Jaya (Williams & Watson 1988a), Java (Green 1904)
<i>Aspidiotus excisus</i> Green	Polyphagous on ornamentals and fruits in 24 families and 27 genera	Cosmopolitan, in 47 countries	Java, Sumatra (Kalshoven 1981)
<i>Aspidiotus nerii</i> Bouché	Polyphagous on ornamentals and fruits in 120 families and 329 genera	Cosmopolitan, in 74 countries	? (Suh 2016)

<i>Aspidiotus rigidus</i> (Reyne)	<i>Cocos nucifera</i> , <i>Dyopsis lutescens</i> , <i>Chrysalidocarpus lutescens</i> , <i>Garcinia mangostana</i> , <i>Musa</i> sp., <i>Nypa fruticans</i>	Indonesia, Palau, Philippines	Bali (Kalshoven 1981), Flores (Watson <i>et al.</i> 2015), Java (Kalshoven 1981), Sulawesi (Reyne 1947, 1948; Watson <i>et al.</i> 2014)
<i>Aulacaspis</i> Cockerell			
<i>Aulacaspis depressa</i> (Zehntner)	<i>Saccharum bengalense</i>	China, India, Philippines	Java (Zehntner 1897)
<i>Aulacaspis hedyotidis</i> (Green)	<i>Durio zibethinus</i> , <i>Hedyotis lawsoniae</i> , <i>Mallotus</i> sp., <i>Mangifera</i> sp., <i>Oldenlandia auricularia</i> , <i>Pleiocraterium verticillare</i>	India, Indonesia, Malaysia, Pakistan, Sri Lanka, Taiwan	Java (Green 1905)
<i>Aulacaspis javanensis</i> Newstead*	Ericaceae sp.	Indonesia	Java (Newstead 1906b)
<i>Aulacaspis madiunensis</i> (Zehntner)	<i>Arundo</i> sp., <i>Cycas</i> sp., <i>Cymbopogon</i> sp., <i>Cyperus papyrus</i> , <i>Ischaemum</i> sp., <i>Oplismenus</i> sp., <i>Pandanus</i> sp., <i>Phragmites</i> sp., <i>Saccharum arundinaceum</i> , <i>S. officinarum</i> , <i>S. spontaneum</i>	Cosmopolitan, in 21 countries	Java (Zehntner 1898; Kalshoven 1981), Sumatra (Beardsley 1966)
<i>Aulacaspis marina</i> Takagi & Williams	<i>Xylocarpus</i> sp., <i>Bruguiera</i> sp., <i>Rhizophora apiculata</i> , <i>R. mucronata</i>	Indonesia, Malaysia, Philippines	Bali (Takagi & Williams 1998)
<i>Aulacaspis penzigi</i> (Leonardi)*	<i>Ilex</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Aulacaspis robusta</i> Takahashi	<i>Aegle marmelos</i> , <i>Ardisia</i> sp., <i>A. sieboldii</i>	Hongkong, Indonesia, Taiwan	Kalimantan (Takagi 2018)
<i>Aulacaspis sumatrensis</i> Green	<i>Cocos nucifera</i> , <i>Mangifera indica</i> , <i>M. odorata</i> , <i>Nypa fruticans</i>	Indonesia, New Caledonia, Philippines, Mindanao, Vanuatu	Sumatra (Green 1930)

<i>Aulacaspis tegalensis</i> (Zehntner)	<i>Cymbidium</i> sp., <i>Phoebe</i> sp., <i>Pluchea indica</i> , <i>Saccharum</i> sp., <i>S. arundinaceum</i> , <i>S. bengalense</i> , <i>S. officinarum</i> , <i>S. spontaneum</i> , <i>Sorghum halepense</i> , <i>Smilax china</i> , <i>Trachycarpus fortunei</i>	Cosmopolitan, in 218 countries	Java (Zehntner 1898)
<i>Aulacaspis thorntoni</i> Williams & Miller	<i>Calophyllum inophyllum</i> , <i>Barringtonia</i> sp.	Indonesia, Malaysia	Java (Williams & Miller 2010)
<i>Aulacaspis tubercularis</i> Newstead	Polyphagous on ornamentals and fruits in 18 families and 30 genera	Cosmopolitan, in 69 countries	Java (Newstead 1906b; Williams & Miller 2010)
<i>Aulacaspis vitis</i> (Green)	Polyphagous on ornamentals and fruits in 12 families and 14 genera	India, Indonesia, Japan, Peru, South Africa, Sri Lanka, Taiwan, Thailand, Vietnam	Java (Green 1905), Sumatra (Green 1899)
<i>Aulacaspis yabunikkei</i> Kuwana	Polyphagous on ornamentals and fruits in 6 families and 12 genera	China, Hongkong, Indonesia, Japan, Ryukyu Is, South Korea, Taiwan	Java (Tao 1999)
<i>Aulacaspis yasumatsui</i> Takagi	Polyphagous on ornamentals and fruits in 3 families and 8 genera	Cosmopolitan, in 39 countries	Java (Muniappan <i>et al.</i> 2012), Sulawesi (Watson <i>et al.</i> 2014)
<i>Bayuraspis</i> Takagi			
<i>Bayuraspis javanensis</i> (Williams)	<i>Pterospermum</i> sp., <i>P. javanicum</i>	Indonesia, Malaysia	Java (Williams 1963)
<i>Chionaspis</i> Signoret			
<i>Chionaspis comys</i> Williams & Watson*	Undetermined tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Chrysomphalus</i> Ashmead			
<i>Chrysomphalus aonidum</i> (Linnaeus)	Polyphagous on ornamentals and fruits in 73 families and 170 genera	Cosmopolitan, in 85 countries	Java (Green 1904; Suh 2016)

<i>Chrysomphalus dictyospermi</i> (Morgan)	Polyphagous on ornamentals and fruits in 80 families and 192 genera	Cosmopolitan, in 102 countries	Irian Jaya (Williams & Watson 1988a), Java (Green 1904)
<i>Chrysomphalus prosimus</i> Banks	<i>Calamus spectabilis</i> , <i>Cocos nucifera</i> , <i>Corypha utan</i> , <i>Metroxylon</i> sp., <i>Pandanus</i> sp., <i>P. utilis</i>	Hawaiian Is, Indonesia, Malaysia, Philippines, Tuvalu	Sumatra (Malenotti 1916; McKenzie 1939)
<i>Clavaspidotus</i> Takagi & Kawai			
<i>Clavaspidotus apicalis</i> Takagi+	<i>Citrus</i> sp., <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>Litsea glutinosa</i> , <i>Pangium</i> sp.	Egypt, Indonesia, Philippines, Singapore	Java (Takagi 1974), Sulawesi (Normark <i>et al.</i> 2019), Sumatra (Watson <i>et al.</i> 2014)
<i>Diaspis</i> Costa			
<i>Diaspis boisduvalii</i> (Signoret)	Polyphagous on ornamentals and fruits in 34 families and 126 genera	Cosmopolitan, in 82 countries	? (Suh 2016)
<i>Diaspis bromeliae</i> (Kerner)	Polyphagous on ornamentals and fruits in 10 families and 26 genera	Cosmopolitan, in 74 countries	? (Suh 2016)
<i>Duplachionaspis</i> MacGillivray			
<i>Duplachionaspis saccharifolii</i> (Zehntner)	<i>Phragmites australis</i> , <i>Saccharum officinarum</i>	China, Indonesia, Philippines	Java (Zehntner 1897)
<i>Duplaspidotus</i> MacGillivray			
<i>Duplaspidotus tesseratus</i> Grandpré & Charmoy	Polyphagous on ornamentals and fruits in 14 families and 19 genera	Cosmopolitan, in 24 countries	Java (Ferris 1938)
<i>Fiorinia</i> Targioni Tozzetti			
<i>Fiorinia biakana</i> Williams & Watson*	Unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia fioriniae</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 47 families and 93 genera	Cosmopolitan, in 157 countries	? (Suh 2016)

<i>Fiorinia iavanica</i> (Leonardi)*	<i>Ilex</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Fiorinia macroprocta</i> (Leonardi)*	<i>Rhapis excelsa</i>	Indonesia	Java (Leonardi 1907; Ali 1969)
<i>Fiorinia phantasma</i> Cockerell & Robinson	Polyphagous on ornamentals and fruits in 24 families and 52 genera	Cosmopolitan, in 23 countries	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia proboscidea</i> Green	Polyphagous on ornamentals and fruits in 11 families and 11 genera	Cosmopolitan, in 20 countries	Java, Sumatra (Clausen 1933)
<i>Fiorinia reducta</i> Williams & Watson*	Unidentified tree	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Fiorinia theae</i> Green	Polyphagous on ornamentals and fruits in 12 families and 14 genera	Cosmopolitan, in 19 countries	Irian Jaya (Reyne 1961)
<i>Froggattiella</i> Leonard			
<i>Froggattiella mcclurei</i> Ben-Dov	<i>Bambusa</i> sp., <i>B. multiplex</i>	China, Hong Kong, Indonesia, Philippines	Java (Ben-Dov 1988)
<i>Furcaspis</i> Lindinger			
<i>Furcaspis biformis</i> (Cockerell)	<i>Aechmea magdalenae</i> , <i>Agave</i> sp., <i>Aloe</i> sp., <i>Brassavola</i> sp., <i>Brassia</i> sp., <i>Bromella</i> sp., <i>Cattleya</i> sp., <i>Euphorbia tithymaloides</i> , <i>Hoya</i> sp., <i>Melocactus</i> sp., <i>Musa</i> sp., Orchidaceae, <i>Piper</i> sp., <i>Psychotria</i> sp., <i>Strelitzia</i> sp., <i>Syzygium</i> sp., <i>Yucca</i> sp.	Cosmopolitan, in 43 countries	Java (Kuwana & Muramatsu 1931; Williams <i>et al.</i> 2006)
<i>Genaparlatoria</i> MacGillivray			

<i>Genaparlatoria pseudaspidiotus</i> (Lindinger)	<i>Aerides</i> sp., <i>Cattleya</i> sp., <i>Commiphora berryi</i> , <i>Cymbidium</i> sp., <i>Cyrtopodium punctatum</i> , <i>Dendrobium</i> sp., <i>Euphorbia antiquorum</i> , <i>Mangifera indica</i> , <i>Papilionanthe hookeriana</i> , <i>P. teres</i> , <i>Pithecellobium dulce</i> , <i>Trichoglottis philippinensis</i> , <i>Vanda</i> sp.	Cosmopolitan, in 38 countries	Java (Merrill 1953)
<i>Greeniella</i> Cockerell			
<i>Greeniella calophylli</i> Williams & Miller*	<i>Calophyllum inophyllum</i>	Indonesia	Java (Williams & Miller 2010)
<i>Greeniella javanensis</i> (Green)	<i>Eugenia</i> sp., <i>Myristica fragrans</i>	Indonesia, Philippines	Java (Green 1905; Sanders 1906)
<i>Hemiberlesia</i> Cockerell			
<i>Hemiberlesia cyanophylli</i> (Signoret)	Polyphagous on ornamentals and fruits in 73 families and 141 genera	Cosmopolitan, in 71 countries	Java (Green 1904; Kalshoven 1981), Sumatra (Green 1937)
<i>Hemiberlesia lataniae</i> (Signoret) ⁺	Polyphagous on ornamentals and fruits in 114 families and 323 genera	Cosmopolitan, in 112 countries	Irian Jaya (Williams & Watson 1988a)
<i>Hemiberlesia palmae</i> (Cockerell)	Polyphagous on ornamentals and fruits in 54 families and 94 genera	Cosmopolitan, in 67 countries	Java (Kuwana & Muramatsu 1931), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Green 1930)
<i>Hemiberlesia rapax</i> (Comstock)	Polyphagous on ornamentals and fruits in 79 families and 189 genera	Cosmopolitan, in 71 countries	? (Suh 2016)
<i>Howardia</i> Berlese & Leonardi			

<i>Howardia biclavis</i> (Comstock)	Polyphagous on ornamentals and fruits in 69 families and 196 genera	Cosmopolitan, in 71 countries	Java (Clausen 1933; Nakahara 1982)
<i>Ischnaspis</i> Douglas			
<i>Ischnaspis longirostris</i> (Signoret)	Polyphagous on ornamentals and fruits in 50 families and 145 genera	Cosmopolitan, in 93 countries	Java (Leonardi 1901)
<i>Kuwanaspis</i> MacGillivray			
<i>Kuwanaspis bambusicola</i> (Cockerell)	<i>Bambusa</i> sp., <i>B. bambos</i> , <i>B. blumeana</i> , <i>B. multiplex</i> , <i>Dendrocalamus</i> sp., <i>D. macroculmis</i> , <i>D. strictus</i> , <i>Drepanostachyum falcatum</i> , <i>Phyllostachys aurea</i>	Algeria, Azores, Brazil, Indonesia, Sao Paulo, China, Nepal, Sinegal, Taiwan	Sumatra (Green 1930)
<i>Lepidosaphes</i> Shimer			
<i>Lepidosaphes beckii</i> (Newman)	Polyphagous on ornamentals and fruits in 40 families and 56 genera	Cosmopolitan, in 121 countries	Java (Kalshoven 1981), Sulawesi (Normark <i>et al.</i> 2019), Sumatra (Kalshoven 1981; Watson <i>et al.</i> 2014)
<i>Lepidosaphes corrugata</i> Green*	<i>Coffea arabica</i>	Indonesia	Java (Green 1904)
<i>Lepidosaphes crawii</i> (Cockerell)	<i>Elaeagnus</i> sp., <i>Castanopsis</i> sp., <i>C. cuspidata</i> , <i>C. faberi</i> , <i>Lithocarpus uraianus</i> , <i>Pterospermum javanicum</i>	Indonesia, Japan, Taiwan	Java (Green 1905)
<i>Lepidosaphes eurychlidonis</i> Williams & Watson	<i>Hibiscus</i> sp.	Indonesia, Vanuatu	Irian Jaya (Williams & Watson 1988a)
<i>Lepidosaphes gloverii</i> (Packard)	Polyphagous on ornamentals and fruits in 27 families and 38 genera	Cosmopolitan, in 82 countries	Irian Jaya (Reyne 1961), Java (Watson <i>et al.</i> 2014)

<i>Lepidosaphes lasianthi</i> (Green)	<i>Codiaeum variegatum</i> , <i>Croton</i> sp., <i>Cr. humilis</i> , <i>Lasianthus strigosus</i>	Bermuda, Guyana, India, Indonesia, Puerto Rico & Vieques, Srilangka, United States	Java (Green 1905)
<i>Lepidosaphes laterochitina</i> Green	Polyphagous on ornamentals and fruits in 28 families and 38 genera	Cosmopolitan, in 18 countries	? (Suh 2016)
<i>Lepidosaphes punicae</i> Laing	<i>Artocarpus</i> sp., <i>A. altilis</i> , <i>Ficus</i> sp., <i>Litchi</i> sp., <i>L. chinensis</i> , <i>Macaranga</i> sp., <i>Nephelium</i> , <i>Plumeria</i> sp., <i>Psittacanthus</i> sp., <i>Punica granatum</i> , <i>Rosa</i> sp., <i>Solanum</i> sp., <i>Vanilla</i> sp., <i>Yucca</i> sp.	Cosmopolitan, in 15 countries	? (Suh 2016)
<i>Lepidosaphes rubrovittata</i> (Cockerell)	Polyphagous on ornamentals and fruits in 12 families and 14 genera	Cosmopolitan, in 18 countries	Irian Jaya (Williams & Watson 1988a)
<i>Lepidosaphes tapleyi</i> Williams	Polyphagous on ornamentals and fruits in 19 families and 26 genera	Cosmopolitan, in 17 countries	Irian Jaya (Williams & Watson 1988a)
<i>Lepidosaphes tokionis</i> (Kuwana)	<i>Anthurium</i> sp., <i>Cordyline fruticosa</i> , <i>Dracaena</i> sp., <i>Sansevieria</i> sp., <i>Codiaeum</i> sp., <i>Co. variegatum</i> , <i>Croton</i> sp., <i>Cr. tigilium</i> , <i>Gossypium</i> sp., <i>Citrus maxima</i> , <i>Capsicum</i> sp.	Cosmopolitan, in 30 countries	Java (Ali 1969), Sulawesi (Watson <i>et al.</i> 2014)
<i>Lepidosaphes unguolata</i> Green*	<i>Syzygium pseudojambolana</i>	Indonesia	Java (Green 1905)
<i>Lopholeucaspis</i> Balachowsky			
<i>Lopholeucaspis cockerelli</i> (Grandpré & Charmoy)	Polyphagous on ornamentals and fruits in 33 families and 63 genera	Cosmopolitan, in 54 countries	? (Nakahara 1982)
<i>Loranthaspis</i> Cockerell & Bueker			

<i>Loranthaspis microconcha</i> Cockerell & Bueker*	<i>Canarium</i> sp., <i>Dendrophthoe pentandra</i>	Indonesia	Java (Cockerell & Bueker 1930)
<i>Microparlatoria</i> Takahashi			
<i>Microparlatoria fici</i> (Takahashi)	<i>Ficus retusa</i>	Indonesia, Taiwan, Thailand	Sulawesi (Suh & Ji 2009; Normark <i>et al.</i> 2019)
<i>Mongrovaspis</i> Bodenheimer			
<i>Mongrovaspis quadrispinosa</i> (Green)	<i>Avicennia marina</i> , <i>A. officinalis</i>	Egypt, Indonesia, Iran, Philippines	Lombok (Takagi 2002)
<i>Morganella</i> Cockerell			
<i>Morganella longispina</i> (Morgan)	Polyphagous on ornamentals and fruits in 22 families and 36 genera	Cosmopolitan, in 42 countries	? (Nakahara 1982)
<i>Mycetaspis</i> Cockerell			
<i>Mycetaspis personata</i> (Comstock)	Polyphagous on ornamentals and fruits in 19 families and 30 genera	Cosmopolitan, in 44 countries	? (Nakahara 1982)
<i>Odonaspis</i> Leonardi			
<i>Odonaspis greenii</i> (Cockerell)	<i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. disseminator</i> , <i>B. multiplex</i> , <i>B. pervariabilis</i> , <i>B. vulgaris</i> , <i>Bambusoideae</i> sp., <i>Dinorchloa scandens</i> , <i>Gigantochloa</i> sp., <i>G. verticillata</i> , <i>Miscanthus</i> sp., <i>M. sinensis</i> , <i>Schizostachyum diffusum</i>	Cosmopolitan, in 23 countries	? (MacGillivray 1921; Ben-Dov 1988)
<i>Odonaspis lingnani</i> Ferris	<i>Bambusa multiplex</i> , <i>B. vulgaris</i>	China, Indonesia, Malaysia	? (Ben-Dov 1988)
<i>Odonaspis saccharicaulis</i> (Zehntner)	<i>Heliconia</i> sp., <i>Mangifera</i> sp., <i>Poaceae</i> , <i>Scleria canescens</i>	Cosmopolitan, in 35 countries	Java (Merrill 1953; Ben-Dov 1988), Sumatra (Green 1930)

<i>Odonaspis secreta</i> (Cockerell)	<i>Arundinaria</i> sp., <i>A. chino</i> , <i>A. simonii</i> , <i>Bambusa</i> sp., <i>B. bambos</i> , <i>B. blumeana</i> , <i>Indocalamus tessellatus</i> , <i>Miscanthus</i> sp., <i>Phyllostachys</i> sp., <i>Pleioblastus</i> sp., <i>Pseudosasa japonica</i> , <i>Sasa</i> sp., <i>S. palmata</i> , <i>S. senanensis</i> , <i>S. veitchii</i> , <i>Schizostachyum glaucifolium</i> , <i>Semiarundinaria fastuosa</i>	Cosmopolitan, in 23 countries	Java (MacGillivray 1921; Borchsenius 1937)
<i>Opuntiaspis</i> Cockerell			
<i>Opuntiaspis javanensis</i> Green	<i>Agave</i> sp., <i>A. decipiens</i> , <i>A. fourcroydes</i> , <i>A. sisalana</i> , <i>A. vera-cruz</i> , <i>A. xylonacantha</i> , <i>Beaucarnea</i> sp.	Indonesia, Mexico, United States	Java (Green 1905)
<i>Parlatoria</i> Colvée			
<i>Parlatoria camelliae</i> (Comstock)	Polyphagous on ornamentals and fruits in 25 families and 40 genera	Cosmopolitan, in 31 countries	Java (Merrill 1953)
<i>Parlatoria cinerea</i> Hadden in Doane & Hadden	<i>Annona muricata</i> , <i>Citrus</i> sp., <i>C. aurantiifolia</i> , <i>C. aurantium</i> , <i>C. aurantium</i> , <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>C. reticulata</i> , <i>Gardenia</i> sp., <i>Grewia asiatica</i> , <i>Hibiscus</i> sp., <i>Jasminum</i> sp., <i>J. sambac</i> , <i>Malus pumila</i> , <i>M. sylvestris</i> , <i>Mangifera indica</i> , <i>Melia azedarach</i> , <i>Nerium indicum</i> , <i>N. oleander</i> , <i>Rosa</i> sp., <i>Smilax</i> sp., <i>Stephanotis</i> sp., <i>Vitis vinifera</i>	Cosmopolitan, in 50 countries	Java (Morrison 1939)

<i>Parlatoria citri</i> McKenzie	<i>Citrus</i> sp., <i>C. aurantium</i>	Cook Is, India, Indonesia, Nigeria, Thailand	Java (McKenzie 1943)
<i>Parlatoria crotonis</i> (Douglas)	<i>Citrus aurantium</i> , <i>C. medica</i> , <i>Cocos nucifera</i> , <i>Codiaeum</i> sp., <i>Co. variegatum</i> , <i>Croton</i> sp., <i>Cr. scouleri</i> , <i>Dendrobium</i> sp., <i>D. moschatum</i> , <i>Dermacentor marginatus</i> , <i>Ficus</i> sp., <i>F. citrifolia</i> , <i>Illicium philippinense</i> , <i>I. tashiroi</i> , <i>Inocarpus fagifer</i> , <i>Laurus</i> sp., <i>Magnolia</i> sp., <i>Pandanus utilis</i> , <i>Pinus</i> sp.	Cosmopolitan, in 50 countries	Irian Jaya (Williams & Watson 1988a), Java (Williams & Miller 2010)
<i>Parlatoria flava</i> Takahashi	Unknown host	Indonesia	Sumarta (Takahashi 1951)
<i>Parlatoria hastata</i> (Lindinger)*	<i>Gnetum</i> sp.	Indonesia	Kalimantan (Lindinger 1911)
<i>Parlatoria pergandii</i> Comstock	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Java (Morrison 1939; Kalshoven 1981) Sumatra (Morrison 1939)
<i>Parlatoria proteus</i> (Curtis)	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Java (Newstead 1908), Kalimantan (Fleury 1935), Sumatra (Clausen 1933)
<i>Parlatoria ziziphi</i> (Lucas)	Polyphagous on ornamentals and fruits in 12 families and 16 genera: Apocynaceae, Arecaceae, Euphorbiaceae, Moraceae, Myrtaceae, Oleaceae, Orchidaceae, Rhamnaceae, Rubiaceae, Rutaceae, Sapindaceae, Theaceae	Cosmopolitan, in 93 countries	Java (Morrison 1939; Kalshoven 1981), Sumatra (Clausen 1933)
<i>Pinnaspis</i> Cockerell			

<i>Pinnaspis aspidistrae aspidistrae</i> (Signoret)	Polyphagous on ornamentals and fruits in 71 families and 133 genera	Cosmopolitan, in 89 countries	Java (Green 1905)
<i>Pinnaspis buxi</i> (Bouché)	Polyphagous on ornamentals and fruits in 53 families and 153 genera	Cosmopolitan, in 71 countries	Irian Jaya (Williams & Watson 1988a), Java (Williams & Miller 2010)
<i>Pinnaspis diaspiformis</i> (Newstead)	<i>Bambusa</i> sp., <i>Piper</i> sp.	Indonesia	Java (Newstead 1906a, b)
<i>Pinnaspis dracaenae</i> (Cooley)	<i>Areca catechu</i> , <i>Dracaena cinnabari</i> , <i>Havea</i> sp., <i>H. brasiliensis</i> , <i>Pachira aquatica</i>	India, Indonesia, Sri Lanka, Yemen	Java (Green 1905)
<i>Pinnaspis javanensis</i> (Kuwana in Kuwana & Muramatsu)*	<i>Cocos</i> sp.	Indonesia	Java (Kuwana & Muramatsu 1931a)
<i>Pinnaspis longula</i> (Leonardi)*	<i>Persea</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Pinnaspis rombica</i> Leonardi*	<i>Persea</i> sp.	Indonesia	Java (Leonardi 1907)
<i>Pinnaspis strachani</i> (Cooley)	Polyphagous on ornamentals and fruits in 74 families and 244 genera	Cosmopolitan, in 114 countries	Irian Jaya (Reyne 1961; Williams & Watson 1988a), Java (Ali 1969)
<i>Pseudaonidia</i> Cockerell			
<i>Pseudaonidia curculiginis</i> (Green)	<i>Corypha utan</i> , <i>Gardenia</i> sp., <i>Molineria capitulata</i>	Indonesia, Malaysia, Mongolia, Philippines, Singapore, Thailand, Vanuatu, Vietnam	Java (Green 1904; Sanders 1906; Marlatt 1908)
<i>Pseudaonidia duplex</i> Fernald	Polyphagous on ornamentals and fruits in 21 families and 32 genera	China, Georgia, Guam, Hawaiian Is, Hong Kong, India, Indonesia, Iran, Japan, South Korea, Sri Lanka, Taiwan, United States	Java (Balachowsky 1951)
<i>Pseudaonidia greeni</i> Marlatt*	<i>Mangifera indica</i>	Indonesia	Java (Marlatt 1908; Sanders 1909)
<i>Pseudaonidia trilobitiformis</i> (Green)	Polyphagous on ornamentals and fruits in 46 families and 107 genera	Cosmopolitan, in 78 countries	Java (Marlatt 1908)

<i>Pseudaulacaspis</i> MacGillivray			
<i>Pseudaulacaspis cockerelli</i> (Cooley)	Polyphagous on ornamentals and fruits in 84 families and 152 genera	Cosmopolitan, in 53 countries	Java (Green 1905), Sulawesi (Watson <i>et al.</i> 2014)
<i>Pseudaulacaspis multducta</i> Williams & Watson*	Unidentified dicotyledonous plant	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Pseudaulacaspis papulosa</i> Williams & Watson*	<i>Casuarina</i> sp.	Indonesia	Irian Jaya (Williams & Watson 1988a)
<i>Pseudaulacaspis pentagona</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 85 families and 221 genera	Cosmopolitan, in 111 countries	Java (Dammerman 1929; Balachowsky 1954; Suh 2016)
<i>Pseudaulacaspis papayae</i> (Takahashi)	<i>Carica</i> sp., <i>Musa</i> sp.	Indonesia, Thailand	Sumatra (Takagi 1960)
<i>Pseudaulacaspis varicosa</i> (Green)	<i>Suregada lanceolata</i> , <i>Litsea</i> sp., <i>Loranthus</i> sp., <i>Piper</i> sp., <i>P. nigrum</i>	India, Indonesia, Myanmar, Sri Lanka	Java (Green 1905)
<i>Radionaspis</i> Ferris			
<i>Radionaspis indica</i> (Marlatt)	<i>Mangifera indica</i>	British Virgin Is, Cape Verde, Cuba, Dominican Republic, Ecuador, Federated States of Micronesia, Hawaiian Is, India, Indonesia, Jamaica, Mexico, Palau, Panaman, Puerto Rico, Saint Lucia, United State	Java (Nakahara 1982)
<i>Rutherfordia</i> MacGillivray			
<i>Rutherfordia major</i> (Cockerell)	<i>Annona muricata</i> , <i>Cordia curassavica</i> , <i>C. lutea</i> , <i>C. myxa</i> , <i>Heliotropium</i> sp., <i>Vateria indica</i>	Cosmopolitan, in 26 countries	Java (Merrill 1953)
<i>Schizentaspis</i> Mamet			

<i>Schizentaspis loranthi</i> Mamet*	<i>Amaranthus</i> sp.	Indonesia	? (Mamet 1958; Borchsenius 1966)
<i>Sclopetaspis</i> MacGillivray			
<i>Sclopetaspis danumensis</i> Takagi*	Unknown	Indonesia	Kalimantan (Takagi 2000)
<i>Selenediella</i> Mamet			
<i>Selenediella mckenziei</i> (Takahashi)*	Unknown	Indonesia	Sumatera (Takahashi 1951; Mamet 1958; Borchsenius 1966)
<i>Semelaspidus</i> MacGillivray			
<i>Semelaspidus artocarpi</i> (Green)	<i>Cinnamomum</i> sp., <i>Artocarpus</i> sp., <i>Piper nigrum</i>	India, Indonesia, Sri Lanka	Java (Green 1905)
<i>Silvestraspis</i> Bellio			
<i>Silvestraspis uberifera</i> (Lindinger)	<i>Artocarpus</i> sp., <i>Cinnamomum verum</i> , <i>Machilus japonica</i> , <i>Magnolia ashtonii</i> , <i>Mallotus philippe</i> , <i>Mussaendopsis beccariana</i> , <i>Syzygium hancei</i> , <i>S. jambos</i> , <i>S. kwangtungense</i>	China, Hong Kong, Cambodia, Indonesia, Malaysia, Philippines, Taiwan	Irian Jaya (Williams & Watson 1988a)
<i>Sinistraspis</i> MacGillivray			
<i>Sinistraspis unilateralis</i> (Newstead)	Polyphagous on ornamentals and fruits in 10 families and 15 genera	Barbados, India, Indonesia, Malaysia, Phillippines	Kalimantan (Takagi 2000)
<i>Unaspis</i> MacGillivray			
<i>Unaspis citri</i> (Comstock)	Polyphagous on ornamentals and fruits in 14 families and 18 genera	Cosmopolitan, in 96 countries	Java (Kalshoven 1981), Kalimantan (Giliomee 1966)
<i>Unaspis yanonensis</i> (Kuwana)	<i>Citrus</i> sp., <i>C. japonica</i> , <i>C. maxima</i> , <i>C. reticulata</i> , <i>C. trifoliata</i> , <i>Damnacanthus</i> sp.	Cosmopolitan, in 20 countries	? (Blackburn & Miller 1984)
ERIOCOCCIDAE Cockerell			
<i>Gossyparia</i> Signoret			

<i>Gossypariella sulawesi</i> Kozár & Martin*	<i>Elmerridae ovalis</i> (Magnoliaceae)	Indonesia	Sulawesi (Kozár <i>et al.</i> 2007).
<i>Sangicoccus</i> Reyne			
<i>Sangicoccus obtusispinus</i> (Reyne)*	<i>Cocos nucifera</i>	Indonesia	Irian Jaya (Reyne 1961)
<i>Sangicoccus reynei</i> Kozár & Konczné Benedicty*	Arecaceae	Indonesia	Sulawesi (Kozár <i>et al.</i> 2009)
<i>Sangicoccus truncatispinus</i> (Reyne)	<i>Cocos nucifera</i> , <i>Nypa</i> sp.	Indonesia, Papua New Guinea, Philippines	Sulawesi (Reyne 1961)
KERMESIDAE Signoret			
<i>Reynvaania</i> Reyne			
<i>Reynvaania gallicola</i> Reyne*	<i>Quercus lineata</i>	Indonesia	Java, Sumatra (Reyne 1954b)
LECANODIASPIDIDAE Targioni Tozzetti			
<i>Lecanodiaspis</i> Targioni Tozzetti			
<i>Lecanodiaspis baculifera</i> Leonardi*	<i>Mangifera</i> sp., <i>Viscum album</i>	Indonesia	Java (Leonardi 1907; Howell & Kosztarab 1972)
<i>Lecanodiaspis greeni</i> Takahashi*	Unidentified plant	Indonesia	Sumatra (Takahashi 1950; Howell & Kosztarab 1972)
<i>Psoraleococcus</i> Borchsenius			
<i>Psoraleococcus lombokanus</i> Lambdin & Kosztarab*	<i>Annona muricata</i>	Indonesia	Lombok (Lambdin & Kosztarab 1973)
<i>Psoraleococcus morrisoni</i> (Takahashi)*	On an unknown plant	Indonesia	Sumatra (Takahashi 1950; Howell & Kosztarab 1972; Lambdin <i>et al.</i> 1976)
<i>Psoraleococcus multicribratus</i> Lambdin & Kosztarab*	<i>Piper nigrum</i>	Indonesia	Sumatra (Lambdin & Kosztarab 1973)
<i>Anomalococcus multipori</i> Morrison	Dipterocarpaceae, <i>Nephelium lappaceum</i> , <i>Oncosperma horridum</i>	Indonesia, Philippines, Singapore	Sulawesi (Gavrilov-Zimin 2013), Sumatra (Green 1930)
<i>Stictacanthus</i> Lambdin & Kosztarab			

<i>Stictacanthus azadirachtae</i> (Green)	<i>Azadirachta indica</i> , <i>Derris elliptica</i> , <i>D. malaccensis</i>	India, Indonesia, Sri Lanka	Sumatra (Reyne 1954a; Howell & Kosztarab 1972)
MONOPHLEBIDAE Signoret			
Buchnericoccus Reyne			
<i>Buchnericoccus javanus</i> Reyne*	Unidentified tree	Indonesia	Java (Reyne 1965a)
<i>Buchnericoccus reynei</i> Gavrilov-Zimin*	Under tree bark	Indonesia	Kalimantan (Gavrilov-Zimin 2018)
Drosicha Walker			
<i>Drosicha minor</i> Reyne*	Host plant not indicated	Indonesia	Java (Reyne 1965a)
<i>Drosicha saundersii</i> (Westwood)*	Host plant not indicated	Indonesia	? (Westwood 1845)
<i>Drosicha sumatrensis</i> Green*	Host plant not indicated	Indonesia	Sumatra (Green 1930)
<i>Drosicha townsendi</i> (Cockerell)	<i>Albizia saman</i> , <i>Cassia</i> sp., <i>Ficus nota</i> , <i>Gymnosporia emarginata</i> , <i>Hibiscus</i> sp., <i>Ipomoea</i> sp., <i>Syzygium aqueum</i>	Indonesia, Philippines	Flores (Gavrilov-Zimin 2017)
Drosichoides Morrison			
<i>Drosichoides haematoptera</i> (Cockerell)*	Host plant not indicated	Indonesia	Java (Reyne 1965a), Kalimantan (Cockerell 1919)
Etropera Bhatti & Gullan			
<i>Etropera papuensis</i> Bhatti & Gullan	<i>Terminalia kaernbachii</i>	Indonesia, Papua New Guinea	Irian Jaya (Gavrilov-Zimin 2013)
Hemaspidoproctus Morrison			
<i>Hemaspidoproctus cinereus</i> (Green)	<i>Acacia nilotica</i> , <i>Citrus</i> sp., <i>Grevillea</i> sp., <i>Lawsonia inermis</i> , <i>Liquidambar excelsa</i> , <i>Manilkara zapota</i> , <i>Punica granatum</i> , <i>Terminalia</i> sp., <i>Thespesia</i> sp., <i>Vachellia</i> sp.	Costarica, India, Indonesia, Sri Lanka	Java (Reyne 1965a)
Icerya Signoret			

<i>Icerya aegyptiaca</i> (Douglas)	Polyphagous on ornamentals and fruits in 59 families and 113 genera	Cosmopolitan, in 27 countries	Kalimantan (Williams & Miller 2010), Sulawesi (Watson <i>et al.</i> 2014)
<i>Icerya gaponiana</i> Gavrilov	Dicotyledonous tree	-	Irian Jaya (Gavrilov-Zimin 2013)
<i>Icerya imperatae</i> Rao	<i>Bambusa bambos</i> , <i>Brachiaria decumbens</i> , <i>Chloris barbata</i> , <i>Imperata</i> sp., <i>I. conferta</i> , <i>Oryza sativa</i> , <i>Ottochloa nodosa</i> , <i>Paspalum conjugatum</i> , <i>P. notatum</i> , <i>Pennisetum</i> sp., <i>Saccharum spontaneum</i> , <i>Sorghum</i> sp.	Australia, Brunei, Fiji, Indonesia, Malaysia, Palau, Philippines	Irian Jaya (Gavrilov-Zimin 2013)
<i>Icerya jacobsoni</i> Green	<i>Canarium kipella</i> , <i>Castilloa elastica</i> , <i>Citrus</i> sp., Dipterocarpaceae, <i>Dombeya acutangula</i> , <i>Eucalyptus</i> sp., <i>Leucaena leucocephala</i> , <i>Leucosyke capitellata</i> , <i>Litsea glutinosa</i> , <i>Macaranga carolinensis</i> , <i>M. tanarius</i> , <i>Neonauclea calycina</i> , <i>Oreocnide rubescens</i> , <i>Psidium guajava</i>	China, Federated States of Micronesia, Hongkong, Indonesia, Myanmar, Philippines, Thailand	Java (Green 1913; Prabhaker Rao 1951)
<i>Icerya nuda</i> Green*	<i>Dendrocalamus asper</i>	Indonesia	Sumatra (Green 1930)
<i>Icerya pulchra</i> (Leonardi)	<i>Calophyllum inophyllum</i> , <i>Citrus</i> sp., <i>Cocos nucifera</i> , <i>Croton</i> sp., <i>Ilex</i> sp., <i>Magnolia champaca</i> , <i>Mangifera</i> sp., <i>M. indica</i> , <i>Rhopaloblaste</i> sp., <i>Rosa</i> sp., <i>Theobroma cacao</i>	India, Indonesia, Japan, Philippines, Singapore	Java (Leonardi 1907; Prabhaker Rao 1951), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Prabhaker Rao 1951)

<i>Icerya purchasi</i> Maskell	Polyphagous on ornamentals and fruits in 68 families and 167 genera	Cosmopolitan, in 127 countries	Irian Jaya (CABI 2019), Java, Sulawesi, Sumatra (CABI 1971)
<i>Icerya samaraia</i> (Morrison)	Polyphagous on ornamentals and fruits in 25 families and 40 genera	Federated States of Micronesia, Indonesia, New Caledonia, Palau, Papua New Guinea, Solomon Is	Bali (Gavrilov-Zimin 2017), Irian Jaya (Williams & Watson 1990; Gavrilov-Zimin 2013), Java (Reyne 1965b), Sulawesi (Gavrilov-Zimin 2013; Watson <i>et al.</i> 2014), Kalimantan (Gavrilov-Zimin 2020)
<i>Icerya seychellarum</i> (Westwood)	Polyphagous on ornamentals and fruits in 58 families and 128 genera	Cosmopolitan, in 48 countries	Irian Jaya (Williams & Watson 1990), Java, Sumatra (CABI 1955)
<i>Icerya sumatrana</i> Rao*	<i>Citrus</i> sp., <i>Erythrina</i> sp.	Indonesia	Java, Sumatra (Prabhaker Rao 1951)
<i>Icerya zimmermanni</i> Green	<i>Citrus</i> sp., <i>Ficus religiosa</i> , <i>Macaranga tanarius</i> , <i>Melastoma</i> sp.	India, Indonesia, Thailand	Java (Prabhaker Rao 1951)
<i>Misracoccus</i> Rao			
<i>Misracoccus serrei</i> (Vayssiere)*	Host plant not indicated	Indonesia	Java (Vayssière 1914; Vayssière 1926)
<i>Monophlebulus</i> Cockerell			
<i>Monophlebus atripennis</i> Burmeister*	Host plant not indicated	Indonesia	Java (Signoret 1876)
<i>Monophlebulus enarotalicus</i> Bhatti & Gullan*	Host plant not indicated	Indonesia	Irian Jaya (Bhatti & Gullan 1990)
<i>Monophloeus fabricii</i> Targioni Tozzetti*	Host plant not indicated	Indonesia	Sumatra (Fabricius 1805)
<i>Monophlebulus gressitti</i> Bhatti & Gullan*	Host plant not indicated	Indonesia	Irian Jaya (Bhatti & Gullan 1990)
<i>Monophlebus neglectus</i> Gavrilov-Zimin*	Host plant not indicated	Indonesia	Java (Gavrilov-Zimin 2018)

Walkeriana Signoret			
<i>Walkeriana tosariensis</i> Reyne*	<i>Casuarina junghuhniana</i>	Indonesia	Java (Reyne 1957)
ORTHEZIIDAE Amyot & Serville			
Insignorthezia Kozár			
<i>Insignorthezia insignis</i> (Browne)	Polyphagous on ornamentals and fruits in 45 families and 120 genera	Cosmopolitan, in 79 countries	Bali (Gavrilov-Zimin 2017), Java (Morrison 1925)
Nipponorthezinella Kozár			
<i>Nipponorthezinella guadalcanalia</i> (Morrison)	<i>Alpinia purpurata</i> , <i>Gardenia</i> sp.	Cosmopolitan, in 18 countries	Java (Williams & Miller 2010)
Ortheziola Šulc			
<i>Ortheziola hauseri</i> Konczné Benedicty & Kaydan	Host plant not indicated	Indonesia, Malaysia	? (Kaydan <i>et al.</i> 2014)
<i>Ortheziola peregovitsi</i> Kozár & Konczné Benedicty	<i>Quercus</i> sp. (Fagaceae)	Indonesia Malaysia, Philippines, South Korea.	Sumatra (Kaydan <i>et al.</i> 2014)
PSEUDOCOCCIDAE Cockerell			
Antonina Signoret			
<i>Antonina graminis</i> (Maskell)	Polyphagous on ornamentals and fruits in 4 families and 63 genera: Cyperaceae, Euphorbiaceae, Orchidaceae, Poaceae	Cosmopolitan, in 98 countries	Iria Jaya (Williams & Watson 1988b), Java (Ali 1970; Williams 1970; 2004), Sulawesi (Williams 2004), Sumatra (Giliomee 1966; Ali 1970; Williams 1970)

<i>Antonina milleri</i> Williams	<i>Bambusa</i> sp., <i>B. blumeana</i> , <i>B. emeiensis</i> , <i>B. pervariabilis</i> , <i>B. tuldoidea</i> , <i>Dendrocalamus latiflorus</i> , <i>Fargesia nitida</i> , <i>Indocalamus</i> sp., <i>Phyllostachys bambusoides</i> , <i>P. edulis</i> , <i>P. glauca</i> , <i>P. heteroclada</i> , <i>P. nigra</i> , <i>P. propinqua</i> , <i>Pleioblastus amarus</i> , <i>Sasa</i> sp., <i>S. sinica</i>	China, Indonesia, Malaysia, Philippines, Vietnam	Sumatra (Williams 2004)
<i>Antonina pretiosa</i> Ferris	<i>Arundinaria gigantea</i> , <i>Bambusa</i> sp., <i>B. multiplex</i> , <i>B. textilis</i> , <i>B. tuldoidea</i> , <i>B. vulgaris</i> , <i>Indocalamus tessellatus</i> , <i>Oatea aztecorum</i> , <i>Phyllostachys aurea</i> , <i>Pseudosasa disticha</i> , <i>P. disticha</i>	China, Cuba, Hawaiian Is, Hong Kong, Indonesia, Malaysia, Singapore, Taiwan, United States	Irian Jaya (Gavrilov-Zimin 2013)
<i>Antonina thaiensis</i> Takahashi	<i>Bambusa</i> sp., <i>Bambusa vulgaris</i> , <i>Phragmites</i> sp.	Indonesia, Malaysia, Philippines, Sri Lanka, Thailand	Java (Sartiami <i>et al.</i> 2016)
<i>Antonina zonata</i> Green	<i>Acidosasa nanunica</i> , <i>A. venusta</i> , <i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. blumeana</i> , <i>Davidsea attenuata</i> , <i>Sasa sinica</i>	China, India, Indonesia, Malaysia, Philippines, Sri Lanka	Sumatra (Green 1930)
<i>Archeomyrmococcus</i> Williams			
<i>Archeomyrmococcus dolichoderi</i> Williams*	<i>Coffea</i> sp.	Indonesia	Sumatra (Williams 2002, 2004)
<i>Brevennia</i> Goux			

<i>Brevennia (Brevennia) rehi</i> (Lindinger)	Arecaceae, <i>Cyperus</i> sp., <i>C. iria</i> , <i>C. michelianus</i> , <i>C. rotundus</i> , <i>C. serotinus</i> , <i>Fimbristylis argentea</i> , <i>F. quinquangularis</i> , <i>F. tenera</i> , Poaceae	Cosmopolitan, in 28 countries	Java (Van Heurn 1923; Williams 1970)
<i>Chaetococcus</i> Maskell			
<i>Chaetococcus bambusae</i> (Maskell)	<i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. blumeana</i> , <i>B. multiplex</i> , <i>B. textilis</i> , <i>B. vulgaris</i> , <i>Dendrocalamus</i> sp., <i>D. asper</i> , <i>D. brandisii</i> , <i>D. giganteus</i> , <i>D. latiflorus</i> , <i>D. minor</i> , <i>D. strictus</i> , <i>Gigantochloa</i> sp., <i>G. verticillata</i> , <i>G. verticillata</i> , <i>Indosasa shibataeaoides</i> , <i>Lingnania chungii</i> , <i>L. chungii</i> , <i>Miscanthus</i> sp., <i>Phyllostachys</i> sp., <i>P. nigra</i> , <i>Schizostachyum</i> sp.	Cosmopolitan, in 45 countries	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Williams 2004; Sartiami <i>et al.</i> 2016)
<i>Crisicoccus</i> Ferris			
<i>Crisicoccus cambodiensis</i> (Takahashi)	On undetermined host	Cambodia, Indonesia	Bali (Gavrilov-Zimin 2017)
<i>Crisicoccus kimanisicus</i> Williams	On undetermined host	Indonesia, Malaysia	? (Gavrilov-Zimin 2017)
<i>Crisicoccus strigilis</i> Gavrilov	On twigs of dicotyledonous tree		Irian Jaya (Gavrilov-Zimin 2013)
<i>Crisicoccus theobromae</i> Williams & Watson	<i>Neonauclea cyrtopoda</i> , <i>Nephelium lappaceum</i> , <i>Punica granatum</i> , <i>Theobroma cacao</i>	Indonesia, Malaysia, Papua New Guinea, Philippines	Sulawesi (Williams 2004), Sumatra (Williams 2004)
<i>Dicranococcus</i> Williams			
<i>Dicranococcus montanus</i> (Reyne)	<i>Dolichoderus</i> sp.	Indonesia	Java (Reyne 1954a; Ben-Dov 1994; Williams 1978; Williams 2004)
<i>Dorsoceraricoccus</i> Dong & Wu			

Comment [GW3]: This is an ant genus!

<i>Dorsoceraricoccus muajatae</i> (Williams)*	Pteridaceae	Indonesia	Sulawesi (Williams 2004)
<i>Dysmicoccus Ferris</i>			
<i>Dysmicoccus boninsis</i> (Kuwana)	Polyphagous on ornamentals and fruits in 12 families and 63 genera: Arecae, Arecaceae, Ateraceae, Cannaceae, Convulvulaceae, Cupressaceae, Iridaceae, Pandanaceae, Poaceae, Rutaceae, Solanaceae, Vitaceae	Cosmopolitan, in 60 countries	Sumatra (Williams 2004)
<i>Dysmicoccus brevipes</i> (Cockerell)	Polyphagous on ornamentals and fruits in 62 families and 147 genera	Cosmopolitan, in 126 countries	Irian Jaya (Williams & Watson 1988a), Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Sumatra (Williams 2004)
<i>Dysmicoccus comitatus</i> Williams & Watson*	In ants' nest	Indonesia	Iria Jaya (Williams & Watson 1988a; Ben-Dov 1994)
<i>Dysmicoccus debregeasiae</i> (Green)	Polyphagous on ornamentals and fruits in 15 families and 18 genera: Asteraceae, Euphorbiaceae, Fabaceae, Lauraceae, Loranthaceae, Malvaceae, Moraceae, Myrtaceae, Polygonaceae, Rosaceae, Rubiaceae, Rutaceae, Sapotaceae, Urticaceae, Zingiberaceae	Bangladesh, Guadeloupe, India, Indonesia, Malaysia, Nepal, Sri Lanka	Java, Sulawasi, Sumatra (Williams 2004)

<i>Dysmicoccus finitimus</i> Williams	<i>Areca catechu</i> , <i>Cocos nucifera</i> , <i>Corypha utan</i>	Adam Is, Christmas I., Cocos Is, India, Indonesia, Malaysia, Maldives, Phillippines, Sri Lanka	Java, Sumatra (Williams 2004)
<i>Dysmicoccus lepelleyi</i> (Betrem)	Polyphagous on ornamentals and fruits in 17 families and 25 genera: Anacardiaceae, Annonaceae, Arecaceae, Asparagaceae, Clusiaceae, Euphorbiaceae, Fagaceae, Malvaceae, Meliaceae, Moraceae, Musaceae, Myrtaceae, Rubiaceae, Rutaceae, Sapinsaceae, Sapotaceae, Zingiberaceae	Cambodia, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Lombok, Sumatra (Williams 2004)
<i>Dysmicoccus maclayi</i> Gavrilov*	Dicotyledonous tree	Indonesia	Irian Jaya (Gavrilov-Zimin 2013)
<i>Dysmicoccus neobrevipes</i> Beardsley	Polyphagous on ornamentals and fruits in 39 families and 63 genera	Cosmopolitan, in 41 countries	Flores (Gavrilov-Zimin 2017)

<i>Dysmicoccus orchidum</i> Williams	<i>Bulbophyllum</i> sp., <i>Cymbidium finlaysonianum</i> , <i>Dendrobium</i> sp., <i>D. dearei</i> , <i>D. heterocarpum</i> , <i>D. schuetzei</i> , <i>D. wardianum</i> , <i>Grammatophyllum scriptum</i> , <i>Phaius flavus</i> , <i>Phalaenopsis</i> sp., <i>P. amabilis</i> , <i>P. aphrodite</i> , <i>P. lueddemanniana</i> , <i>P. sanderiana</i> , <i>P. schilleriana</i> , <i>Spathoglottis</i> sp., <i>Vanda</i> sp., <i>V. coerulea</i> , <i>V. lamellata</i> , <i>V. limbata</i>	India, Indonesia, Malaysia, Philipphines, Singapore, Thailand	? (Williams 2004)
<i>Exallomochlus</i> Williams			
<i>Exallomochlus hispidus</i> (Morrison)	Polyphagous on ornamentals and fruits in 27 families and 40 genera.	Indonesia, Italy, Malaysia, Philippines, Singapore, Thailand, Vietnam	Java (Betrem 1937; Wirjati 1958; Ben-Dov 1994; Williams 1970, 2004), Sumatra (Green 1930; Williams 1970, 2004), Sumba (Williams 2004)
<i>Exallomochlus sulawesicus</i> Williams*	<i>Aglaia</i> sp., <i>Bruquiera</i> sp., <i>Ficus</i> sp., <i>Neonauclea lanceolata</i> , Sapindaceae, <i>Theobroma cacao</i> , Urticaceae	Indonesia	Sulawesi (Williams 2004; Gavrilov-Zimin 2013)
<i>Extanticoccus</i> Williams			
<i>Extanticoccus javanensis</i> Williams*	<i>Bambusa</i> sp.	Indonesia	Java (Williams 2004)
<i>Ferrisia</i> Fullaway			
<i>Ferrisia dasyliirii</i> (Cockerell)	Polyphagous on ornamentals and fruits in 23 families and 52 genera	Cosmopolitan, in 23 countries	Sumatra (Zarkani <i>et al.</i> 2020)

<i>Ferrisia virgata</i> (Cockerell)	Polyphagous on ornamentals and fruits in 78 families and 207 genera	Cosmopolitan, in 101 countries	Irian Jaya (Williams & Watson 1988b; Gavrilov-Zimin 2013), Java (Keuchenius 1915; Betrem 1937; Ali 1968; Ben-Dov 1994; Williams 2004), Sulawesi (Williams 2004)
<i>Formicococcus</i> Takahashi			
<i>Formicococcus dispersus</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Formicococcus lingnani</i> (Ferris)	<i>Areca catechu</i> ; <i>Cyperus rotundus</i> ; <i>Oryza sativa</i> ; <i>Saccharum officinarum</i> ; <i>Sorghum bicolor</i>	China, India, Indonesia, Malaysia, Thailand	Java (Williams 2004)
<i>Formicococcus sibolangiticus</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Hippeococcus</i> Reyne			
<i>Hippeococcus bundericus</i> Williams*	On undetermined host	Indonesia	Java (Williams 2002, 2004)
<i>Hippeococcus rappardi</i> Reyne*	Burseraceae, <i>Eugenia</i> sp., <i>Eupatorium</i> sp., <i>Ficus variegata</i> , <i>Litsea confusa</i> , <i>Rubus</i> sp.	Indonesia	Java (Reyne 1954a; Ben-Dov 1994)
<i>Hippeococcus wegneri</i> Reyne*	<i>Asparagus aethiopicus</i> , <i>Cyclanthera brachystachya</i> , <i>Diospyros kaki</i> , <i>Piper</i> sp.	Indonesia	Java (Reyne 1954a; Ben-Dov 1994; Williams 2004)
<i>Hordeolicoccus</i> Williams			
<i>Hordeolicoccus eugeniae</i> (Takahashi)	<i>Eugenia</i> sp., <i>Nephelium lappaceum</i> , <i>Saraca thaipingensis</i>	Indonesia, Malaysia, Singapore	Java (Williams 2004)

<i>Hordeolicoccus heterotrichus</i> Williams	Burseraceae, <i>Crypteronia griffithii</i> , <i>Eugenia</i> , <i>Garcinia mangostana</i> , <i>Knema</i> sp., <i>Neonauclea</i> sp., <i>Saraca thaipingensis</i> , <i>Nephelium lappaceum</i>	Cambodia, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Sulawesi (Williams 2004)
<i>Lanceacoccus</i> Williams			
<i>Lanceacoccus australasiacus</i> Williams*	<i>Breynia cernua</i>	Indonesia	Java, Sulawesi (Williams 2004)
<i>Komodesia</i> Gavrilov-Zimin			
<i>Komodesia circuliplurima</i> (Gavrilov-Zimin)*	Poaceae	Indonesia	Flores (Gavrilov-Zimin 2016)
<i>Leptococcus</i> Reyne			
<i>Leptococcus metroxyli</i> Reyne	<i>Ananas</i> sp., <i>Cocos nucifera</i> , <i>Metroxylon</i> sp.	Indonesia, Papua New Guinea	Irian Jaya (Williams & Watson, 1988b)
<i>Leptococcus sakai</i> (Takahashi)	<i>Gnetum tenuifolium</i> , <i>Nipa</i> sp.	Malaysia	Sulawesi (Williams 2004)
<i>Maconellicoccus</i> Ezzat			
<i>Maconellicoccus hirsutus</i> (Green)	Polyphagous on ornamentals and fruits in 78 families and 222 genera.	Cosmopolitan, in 79 countries	Bali (Williams 2004), Flores (Gavrilov-Zimin 2017), Irian Jaya (Williams 1996), Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Lombok (Williams 1996, 2004), Sulawesi (Williams 1996; Watson <i>et al.</i> 2014), Sumatra (Williams 1996)

<i>Maconellicoccus multipori</i> (Takahashi)	<i>Alectryon</i> sp., <i>Averrhoa carambola</i> , <i>Crypteronia griffithii</i> , <i>Daemonorops</i> sp., <i>Durio</i> sp., <i>Endospermum diadenum</i> , <i>Garcinia</i> sp., <i>Gironniera parvifolia</i> , <i>Shorea</i> sp., <i>Macaranga conifera</i> , <i>M. gigantea</i> , <i>M. hullettii</i> , <i>M. hypoleuca</i> , <i>M. triloba</i> , <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Piper betle</i> , <i>P. nigrum</i> , <i>Poikilospermum</i> sp., <i>Theobroma cacao</i>	India, Indonesia, Malaysia, Nepal, Philippines, Singapore, Thailand	Sumatra (Williams 2004)
<i>Mollicoccus</i> Williams			
<i>Mollicoccus guadalcanalanus</i> Williams	<i>Pipturus</i> sp.	Indonesia, Solomon Is	Irian Jaya (Gavrilov-Zimin 2013)
<i>Malaicoccus</i> Takahashi			
<i>Malaicoccus riouwensis</i> Takahashi*	<i>Piper</i> sp.	Indonesia	Sumatra (Ben-Dov 1994; Takahashi 1950; Williams, 1978, 2004)
<i>Malaicoccus sumatranus</i> Williams*	<i>Poikilospermum</i> sp.	Indonesia	Sumatra (Williams 2002)
<i>Mutabilicoccus</i> Williams			
<i>Mutabilicoccus vanheurni</i> (Reyne)	<i>Artocarpus</i> sp., <i>Theobroma cacao</i>	Indonesia, Papua New Guinea	Irian Jaya (Williams & Watson 1988b)
<i>Nipaecoccus</i> Šulc			
<i>Nipaecoccus nipae</i> (Maskell)	Polyphagous on ornamentals and fruits in 49 families and 106 genera	Cosmopolitan, in 59 countries	Java (Williams 2004)
<i>Nipaecoccus pseudofilamentosus</i> (Betrem)*	<i>Citrus</i> sp., <i>Coffea arabica</i> , <i>Erythrina</i> sp.	Indonesia	Java (Betrem 1937; Ben-Dov 1994)

<i>Nipaecoccus viridis</i> (Newstead)	Polyphagous on ornamentals and fruits in 45 families and 114 genera	Cosmopolitan, in 63 countries	Irian Jaya (CABI 1983; Ben-Dov 1994), Java (CABI 1983; Ben-Dov 1994; Williams 2004), Sulawesi (Williams 2004)
<i>Palmicultor</i> Williams			
<i>Palmicultor lumpurensis</i> (Takahashi)	<i>Arundinaria</i> sp., <i>Bambusa</i> sp., <i>B. blumeana</i> , <i>B. multiplex</i> , <i>B. ventricosa</i> , <i>B. vulgaris</i> , <i>Bashania yongdeensis</i> , <i>Chimonobambusa</i> sp., <i>Dendrocalamus hamiltonii</i> , <i>Gigantochloa atrovioleacea</i> , <i>Guadua angustifolia</i> , <i>Lingnania cerosissima</i> , <i>L. chungii</i> , <i>Phyllostachys edulis</i> , <i>P. glauca</i> , <i>P. pubescens</i> , <i>P. nigra</i> , <i>Pseudosasa japonica</i> , <i>Sphaerobambos philippinensis</i>	Australia, China, France, Hongkong, Indonesia, Malaysia, Philippines, South Korea, United States, Vietnam	Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)
<i>Palmicultor palmarum</i> (Ehrhorn)	<i>Acacia asak</i> , <i>Areca catechu</i> , <i>Borassus flabellifer</i> , <i>Caryota mitis</i> , <i>Cocos nucifera</i> , <i>Dypsis lutescens</i> , <i>Elaeis guineensis</i> , <i>Freycinetia</i> sp., <i>Hyophorbe indica</i> , <i>Licuala</i> sp., <i>Phoenix roebelenii</i> , <i>Phyllostachys</i> sp., <i>Roystonea regia</i> , <i>Thrinax</i> sp., <i>Washingtonia filifera</i>	Cosmopolitan, in 30 countries	Java, Sulawesi, Sumatra (Williams 2004)
<i>Paracoccus</i> Ezzat & McConnell			
<i>Paracoccus evae</i> Williams*	<i>Eupatorium</i> sp., <i>Poaceae</i>	Indonesia	Java (Williams 2004)

<i>Paracoccus interceptus</i> Lit	<i>Annona cherimola</i> , <i>Artocarpus</i> sp., <i>Bambusa</i> sp., <i>Citrus aurantiifolia</i> , <i>Cynometra cauliflora</i> , <i>Dendrobium</i> sp., <i>Dimocarpus longan</i> , <i>Durio</i> sp., <i>Ficus</i> sp., <i>Garcinia mangostana</i> , <i>Hoya pachyclada</i> , <i>Lansium domesticum</i> , <i>Litchi chinensis</i> , <i>Mangifera indica</i> , <i>Melastoma</i> sp., <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Piper nigrum</i> , <i>Platonia esculenta</i> , <i>Psidium guajava</i> , <i>Rhynchostylis retusa</i> , <i>Spondias dulcis</i> , <i>Strychnos vanprukii</i> , Zingiberaceae	Benin, Brunei, India, Cambodia, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam	Irian Jaya (Williams 2004; Gavrilov-Zimin 2013)
<i>Paracoccus marginatus</i> Williams & Granara de Willink	Polyphagous on ornamentals and fruits in 49 families and 136 genera	Cosmopolitan, in 51 countries	Bali (Ahmed <i>et al.</i> 2015), Java, Sulawesi (Muniappan <i>et al.</i> 2008)
<i>Paraputo Laing</i>			
<i>Paraputo acehicus</i> Williams	<i>Neonauclea</i> sp.		Sumatra (Williams 2004)
<i>Paraputo corbetti</i> (Takahashi)	<i>Mangifera indica</i>	Indonesia, Malaysia	Java (Williams 2004)
<i>Paraputo errabundus</i> Williams	<i>Neonauclea</i> sp., <i>Rhizophora</i> sp., <i>Xylocarpus</i> sp.	Andaman Is, Brunei, Indonesia	Sulawesi (Williams 2004)
<i>Paraputo leveri</i> (Green)	<i>Balanophora</i> sp., <i>Bischofia javanica</i> , <i>Cocos nucifera</i> , <i>Coffea arabica</i> , <i>C. canephora</i> , <i>Colocasia esculenta</i> , <i>Ficus</i> sp., <i>F. septica</i> , <i>Inocarpus fagifer</i> , <i>Mangifera indica</i> , <i>Syzygium aromaticum</i> , <i>Vitis vinifera</i>	American Samoa, Federated States of Micronesia, Fiji, Indonesia, Malaysia, Papua New Guinea, Solomon Is, Thailand, Tonga, Vanuatu, Western Samoa	Java (Williams 2004)

<i>Paraputo mangiferae</i> (Betrem)*	<i>Mangifera indica</i>	Indonesia	Java (Betrem 1937; Ben-Dov 1994)
<i>Paraputo martini</i> Williams*	<i>Pothos</i> sp.	Indonesia	Sulawesi (Williams 2004)
<i>Paraputo maschwitzii</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo moogi</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo neonaucleae</i> Williams*	<i>Neonauclea</i> sp.	Indonesia	Sumatra (Williams 2004)
<i>Paraputo odontomachi</i> (Takahashi)	<i>Bischofia</i> sp., <i>Crypteronia griffithii</i> , <i>C. macrophylla</i> , <i>Elaeocarpus petiolatus</i> , <i>Garcinia mangostana</i> , <i>Neonauclea</i> sp.	India, Malaysia, Philippines, Singapore, Vietnam	Sumatra (Williams 2004)
<i>Paraputo palmicola</i> Williams*	<i>Arecaceae</i>	Indonesia	Sulawesi (Williams 2004)
<i>Paraputo pandanicola</i> Williams* ⁺	<i>Pandanus</i> sp.	Indonesia	? (Williams 2004)
<i>Paraputo riparius</i> Williams*	<i>Sapindaceae</i>	Indonesia	Sulawesi (Williams 2004)
Pedrococcus Mamet			
<i>Pedrococcus glandulitubulatus</i> Gavrilov-Zimin*	On leaf of undefined tree	Indonesia	Bali (Gavrilov-Zimin 2017b)
Phenacoccus Cockerell			
<i>Phenacoccus manihoti</i> Matile-Ferrero	<i>Boerhavia diffusa</i> , <i>Citrus</i> sp., <i>Cyperus</i> sp., <i>Glycine max</i> , <i>Manihot esculenta</i> , <i>Ocimum</i> sp., <i>Sida rhombifolia</i> , <i>Solanum</i> sp., <i>Talinum triangulare</i>	Cosmopolitan, in 37 countries	Java (Muniappan <i>et al.</i> 2011), Bali (Supartha <i>et al.</i> 2020)
<i>Phenacoccus parvus</i> Morrison	Polyphagous on ornamentals and fruits in 27 families and 59 genera	Cosmopolitan, in 45 countries	Sumatra (Williams 2004)
<i>Phenacoccus solenopsis</i> Tinsley	Polyphagous on ornamentals and fruits in 64 families and 204 genera	Cosmopolitan, in 49 countries	Bali (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013)
Planococcus Ferris			

<i>Planococcus angkorensis</i> (Takahashi) ⁺	Polyphagous on ornamentals and fruits in 17 families and 23 genera: Anacardiaceae, Apodidae, Daphniphyllaceae, Dioscoreaceae, Euphorbiaceae, Fabaceae, Loganiaceae, Lythraceae, Meliaceae, Moraceae, Myrtaceae, Piperaceae, Primulaceae, Rubiaceae, Sapindaceae, Scrophulariaceae, Urticaceae	China, India, Indonesia, Cambodia, Malaysia, Philippines, Taiwan, Thailand, Vietnam	Lombok, Sumatra (Williams 2004)
<i>Planococcus citri</i> (Risso) ⁺	Polyphagous on ornamentals and fruits in 83 families and 196 genera	Cosmopolitan, in 161 countries	Java (Betrem 1937; Ben-Dov 1994; Williams 2004), Kalimantan, Sulawesi (CABI 1995), Sumatra (Green 1930)
<i>Planococcus dischidia</i> (Takahashi)	<i>Dischidia</i> sp.	Indonesia, Malaysia	Sulawesi (Cox 1989; Ben-Dov 1994; Williams 2004)
<i>Planococcus lilacinus</i> (Cockerell)	Polyphagous on ornamentals and fruits in 36 families and 71 genera	Cosmopolitan, in 34 countries	Bali (CABI 1995), Flores (Gavrilov-Zimin 2017), Irian Jaya (Williams & Watson 1988b; Ben-Dov 1994), Java (Newstead 1908; Betrem 1937; Williams 2004), Kalimantan (Cox 1989; Ben-Dov 1994), Lombok (CABI 1995), Sulawesi (Gavrilov-Zimin 2013), Sumatra (Williams 2004)

<i>Planococcus minor</i> (Maskell) ⁺	Polyphagous on ornamentals and fruits in 73 families and 196 genera	Cosmopolitan, in 64 countries	Irian Jaya (Ben-Dov 1994) (Williams & Watson 1988b), Java (Williams 2004), Kalimantan (Cox 1989; Ben-Dov, 1994), Lombok, Sulawesi (Williams, 2004), Sumatra (Cox 1989; Ben-Dov, 1994; Williams 2004)
<i>Planococcus sulawesi</i> Cox*	<i>Ficus</i> sp., Urticaceae	Indonesia	Sulawesi (Cox 1989; Ben-Dov 1994; Williams 2004)
<i>Pseudococcus</i> Westwood			
<i>Pseudococcus aurantiacus</i> Williams	<i>Averrhoa carambola</i> , <i>Callerya nieuwenhuisii</i> , <i>Crypteronia griffithii</i> , <i>Garcinia mangostana</i> , <i>Lansium domesticum</i> , <i>Neonauclea</i> sp., <i>Nephelium lappaceum</i> , <i>Ryparosa fasciculata</i> , <i>Schefflera</i> sp., <i>Strychnos vanprukii</i>	Brunei, Indonesia, Malaysia, Singapore, Thailand, Vietnam	Sumatra (Williams 2004)
<i>Pseudococcus baliteus</i> Lit	<i>Artocarpus odoratissimus</i> , <i>Citrus aurantium</i> , <i>Dimocarpus longan</i> , <i>Dracaena</i> sp., <i>Durio zibethinus</i> , <i>Ficus elastica</i> , <i>Garcinia mangostana</i> , <i>Litchi chinensis</i> , <i>Nephelium lappaceum</i> , <i>Osbornia octodonta</i> , <i>Poikilospermum suaveolens</i> , <i>Pouteria</i> sp., <i>Psidium guajava</i> , <i>Syzygium</i> sp.	Cambodia, China, India, Indonesia, Myanmar, Philipphines, Singapore, Thailand, Vietnam	Sulawesi (Williams 2004)

<i>Pseudococcus calceolariae</i> (Maskell)	Polyphagous on ornamentals and fruits in 44 families and 81 genera	Cosmopolitan, in 34 countries	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus comstocki</i> (Kuwana)	Polyphagous on ornamentals and fruits in 43 families and 67 genera	Cosmopolitan, in 34 countries	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus cryptus</i> Hempel	Polyphagous on ornamentals and fruits in 42 families and 73 genera	Cosmopolitan, in 42 countries	Lombok (Williams 2004), Sulawesi (Williams 2004; Watson <i>et al.</i> 2014), Sumatra (Williams 2004)
<i>Pseudococcus dendrobiorum</i> Williams	<i>Ascoglossum calopterum</i> , <i>Cymbidium</i> sp., <i>Dendrobium</i> sp., <i>D. bigibbum</i> , <i>D. canaliculatum</i> , <i>D. discolor</i> , <i>D. johnsoniae</i> , Orchidaceae sp., <i>Phalaenopsis sanderiana</i> , <i>P. schilleriana</i> , <i>Pholidota</i> sp., <i>Pomatocalpa spicatum</i>	Australia, Guam, Hawaiian Is, India, Indonesia, Malaysia, Papua New Guinea, Philippines, South Korea, Sri Lanka, Thailand, United States	? (Ben-Dov 1994; Williams 1985, 2004)
<i>Pseudococcus gilbertensis</i> Beardsley ⁺	<i>Asparagus cochinchinensis</i> , <i>Bischofia javanica</i> , <i>Calophyllum</i> sp., <i>C. inophyllum</i> , <i>Citrus</i> sp., <i>Ci. japonica</i> , <i>Chrysophyllum cainito</i> , <i>Ligustrum sinense</i> , <i>Lycium</i> sp., <i>Mangifera indica</i> , <i>Fabaceae</i> , <i>Ficus</i> sp., <i>Gnetum gnemon</i>	Bonin Is, Indonesia, Kiribati, Philippines	Sulawesi (Williams 2004)
<i>Pseudococcus jackbeardsleyi</i> Gimpel & Miller	Polyphagous on ornamentals and fruits in 52 families and 112 genera	Cosmopolitan, in 52 countries	Flores (Gavrilov-Zimin 2017), Irian Jaya (Gavrilov-Zimin 2013), Java (Williams 2004)

<i>Pseudococcus longispinus</i> (Targioni Tozzetti)	Polyphagous on ornamentals and fruits in 84 families and 167 genera	Cosmopolitan, in 115 countries	Irian Jaya (Ben-Dov 1994; Williams & Watson 1988b), Java (Betrem 1937; Ben-Dov 1994), Lombok (Williams 2004), Sulawesi (Watson <i>et al.</i> 2014), Sumatra (Green 1930)
<i>Pseudococcus maritimus</i> (Ehrhorn)	Polyphagous on ornamentals and fruits in 44 families and 71 genera	Argentina, Armenia, Bermuda, Brazil, Canada, Chile, Colombia, French Guiana, Georgia, Guadeloupe, Guatemala, Indonesia, Madeira Is, Mexico, Poland, Puerto Rico & Vieques, United States	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus pseudocitriculus</i> Betrem	<i>Coffea canephora</i> , <i>Sonchus arvensis</i> , <i>Tephrosia vogelii</i>	Indonesia	Java (Betrem 1937; Ben-Dov 1994)
<i>Pseudococcus saccharicola</i> Takahashi	<i>Arundo donax</i> , <i>Brachiaria mutica</i> , <i>Chloris barbata</i> , <i>C. radiata</i> , <i>Cynodon dactylon</i> , <i>Eriochloa polystachya</i> , <i>Imperata</i> , <i>Oryza sativa</i> , Poaceae, <i>Saccharum bengalense</i> , <i>S. officinarum</i> , <i>S. robustum</i> , <i>S. spontaneum</i> , <i>Sorghum halepense</i>	Andaman Is, Bangladesh, British Virgin Is, India, Indonesia, Malaysia, Pakistan, Papua New Guinea, Philippines, Sri Lanka, Taiwan, Thailand	Java (Wirjati 1959; Ben-Dov 1994; Williams 2004)
<i>Pseudococcus viburni</i> (Signoret)	Polyphagous on ornamentals and fruits in 88 families and 242 genera	Cosmopolitan, in 59 countries	Java (Williams 2004)
<i>Rastrococcus Ferris</i>			
<i>Rastrococcus balinensis</i> Buchner*	Host plant not indicated	Indonesia	Bali (Buchner 1957)

<i>Rastrococcus biggeri</i> Williams & Watson	<i>Ficus</i> sp., <i>Isonia spectabilis</i> , <i>Macaranga tanarius</i> , Poaceae	Indonesia, Philippines, Solomon Is	Irian Jaya (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus chinensis</i> Ferris	<i>Alocasia</i> sp., <i>Ardisia lindleyana</i> , <i>Eugenia</i> sp., <i>Melastoma malabathricum</i> , <i>Morinda umbellata</i> , <i>Psychotria asiatica</i> , <i>Syzygium</i> sp., <i>S. anomalum</i> , <i>S. hancei</i>	Brunei, China, Indonesia, Malaysia	Java (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus expeditionis</i> Williams*	Sapotaceae	Indonesia	Irian Jaya (Gavrilov-Zimin 2013), Sulawesi (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus invadens</i> Williams	Polyphagous on ornamentals and fruits in 29 families and 54 genera	Cosmopolitan, in 32 countries	Bali, Java (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus jabadiu</i> Williams	<i>Clausena excavata</i> , <i>Ficus ampelas</i> , <i>Nephelium lappaceum</i> , <i>Sandoricum</i> sp.	Indonesia, Philippines, Singapore, Thailand	? (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus kendariensis</i> Gavrilov*	On leaf of dicotyledonous tree	Indonesia	Sulawesi (Gavrilov-Zimin 2013)
<i>Rastrococcus neoguineensis</i> Williams & Watson	<i>Cocos nucifera</i> , <i>Ficus</i> sp., <i>Harpullia</i> sp., <i>Heritiera littoralis</i>	Papua New Guinea	Irian Jaya (Williams & Watson 1988b; Ben-Dov 1994)
<i>Rastrococcus rubellus</i> Williams	<i>Citrus aurantium</i> , <i>C. maxima</i> , <i>C. microcarpa</i> , <i>Mangifera indica</i> , <i>Mallotus</i> sp., <i>M. paniculatus</i> , <i>Plumeria rubra</i>	Hong Kong, Indonesia, Laos, Malaysia, Sri Lanka	Java (Williams 2004)

<i>Rastrococcus spinosus</i> (Robinson)	Polyphagous on ornamentals and fruits in 19 families and 24 genera	Bangladesh, Brunei, Cambodia, India, Indonesia, Laos, Malaysia, Pakistan, Philippines, Singapore, Taiwan, Thailand, Vietnam	Bali (Williams 1989, 2004), Java (Green 1922; Betrem 1937; Williams 2004), Lombok (Williams 2004), Sulawesi (Williams 1989, 2004), Sumatra (Williams 2004)
<i>Rastrococcus vicorum</i> Williams & Watson	<i>Citrus</i> sp., <i>C. aurantium</i> , <i>C. limon</i> , <i>C. maxima</i> , <i>C. reticulata</i> , <i>Coffea</i> sp., <i>Plumeria rubra</i> , <i>Psidium guajava</i>	Indonesia, Malaysia, Papua New Guinea	Sulawesi (Ben-Dov 1994; Williams 1989, 2004)
<i>Rastrococcus wilsoni</i> Williams*	On stem of young tree	Indonesia	Sumatra (Williams 2004)
<i>Saccharicoccus Ferris</i>			
<i>Saccharicoccus sacchari</i> (Cockerell)	<i>Cocos nucifera</i> , <i>Cortaderia</i> sp., <i>Cymbopogon caesius</i> , <i>Imperata cylindrica</i> , <i>Miscanthus floridulus</i> , <i>M. sinensis</i> , <i>Oryza sativa</i> , <i>Phragmites</i> sp., <i>Saccharum</i> sp., <i>S. officinarum</i> , <i>S. sinense</i> , <i>S. spontaneum</i> , <i>Sorghum bicolor</i> , <i>So. halepense</i>	Cosmopolitan, in 78 countries	Java (CABI 1959; Ben-Dov 1994; Williams 2004)
RHIZOECIDAE Williams			
<i>Eumyrmococcus Silvestri</i>			
<i>Eumyrmococcus falciculosus</i> (Williams)*	Primary forest litter	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus kruiensis</i> Williams*	In soil of dammar plantation	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus lanuginosus</i> Williams*	?	Indonesia	Sumatra (Williams 1998)
<i>Eumyrmococcus sulawesicus</i> Williams*	Toraut forest	Indonesia	Sulawesi (Williams 1998)
<i>Geococcus Green</i>			
<i>Geococcus coffeae</i> Green	Polyphagous on roots of ornamentals and fruits in 30 families and 56 genera	Cosmopolitan, in 58 countries	Java (Williams 1969; Ben-Dov 1994), Sulawesi (Williams 2004)

<i>Geococcus hauseri</i> Williams	In forest soil	Indonesia, Malaysia	Sumatra (Williams 2004)
<i>Leptorhizoecus</i> Williams			
<i>Leptorhizoecus deharvengi</i> Williams*	<i>Hevea</i> sp.	Indonesia	Sumatra (Williams 1998, 2004)
<i>Ripersiella</i> Tinsley			
<i>Ripersiella bedosae</i> (Williams)*	Leaf litter	Indonesia	Sumatra (Williams 2004)
<i>Ripersiella multiporifera</i> Jansen	<i>Dracaena</i> sp., <i>D. angustifolia</i> , <i>D. surculosa</i> , <i>Hoya kerrii</i> , [<i>Sansevieria</i>] = <i>Dracaena</i> sp.	China, Indonesia, Malaysia, Thailand, Vietnam	? (Jansen 2008)
<i>Ripersiella sumatrensis</i> (Williams)*	Primary forest soil, extracted by Berlese apparatus	Indonesia	Sumatra (Williams 2004)
<i>Rhizoecus</i> Künckel d'Herculais			
<i>Rhizoecus amorphophalli</i> Betrem	<i>Amorphophallus</i> sp., <i>A. variabilis</i> , <i>Asplenium</i> sp., <i>Colocasia esculenta</i> , <i>Cordyline fruticosa</i> , <i>Curcuma longa</i> , <i>Dioscorea elephantipes</i> , <i>Kaempferia galanga</i> , <i>Zingiber officinale</i> , <i>Z. zerumbet</i>	Federated States of Micronesia, Guadeloupe, Hawaiian Is, India, Indonesia, Malaysia, Philippines, Thailand, United Kingdom, Vietnam	Java (Betrem 1940; Ben-Dov 1994; Williams 2004), Sumatra (Williams 2004)
<i>Rhizoecus pignerator</i> Williams*	Extracted from soil by Berlese apparatus	Indonesia	Sumatra (Williams 2004)
<i>Xenococcus</i> Silvestri			
<i>Xenococcus acropygae</i> Williams	<i>Cocos nucifera</i> , <i>Vitis vinifera</i>	Australia, India, Indonesia, Malaysia, Papua New Guinea, Philippines, Singapore, Solomon Is, Vietnam	Java (Williams 2004), Sulawesi (Williams 1998; Williams 2004)

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