

## Inventory of Philippine Thrips (Insecta: Order Thysanoptera)

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All known records of Philippines thrips published from 1905–2019 were reviewed and consolidated. Species endemism and species with biological control potential against arthropod pests of plants were noted. Two hundred and thirteen (213) species of Thysanoptera in 98 genera under two suborders – Terebrantia and Tubulifera – were recorded in the country. Terebrantians under the family Aeolothripidae are represented by two genera and two species while Thripidae is represented by 43 genera and 95 species – with three species under subfamily Dendrothripinae, 16 species under Panchaethripinae, two species under Sericothripinae, and 74 species under Thripinae. Tubuliferans under the family Phlaeothripidae are represented by 53 genera and 116 species, with 21 species under subfamily Idolothripinae and 95 species under Phlaeothripinae. Aeolothripids are 100% endemic while thripids and phlaeothripids are 20% and 50% endemic, respectively. Altogether, there are 79 endemic species in the Philippines. Based on the literature, the following species are potential predators of mites, scale insects, plant-feeding thrips, and coffee berry borer: *Franklinothrips rarasae* Reyes (Aeolothripidae), *Karnyothrips flavipes* (Jones) (Phlaeothripidae), *K. melaleucus* (Bagnall) (Phlaeothripidae), and *Podothrips lucasseni* (Kruger) (Phlaeothripidae). Beneficial and endemic species of thrips are recommended for conservation.

Keywords: Aeolothripidae, endemic, Phlaeothripidae, Terebrantia, Thripidae, Tubulifera

### INTRODUCTION

Thrips are small insects of scientific and economic importance known locally as “kulisipsip” (Reyes and Copuyoc 2020). They feed on vascular plants, some on fungi, mosses, and a few are predators to other insects and mites. Phytophagous thrips cause damage directly through feeding and oviposition on leaves, buds, flowers, and fruits or indirectly through the transmission of viral, bacterial, or fungal pathogens (Garcia-Rodriguez *et al.* 2014). Thrips body size ranges from 0.5–15 mm with the color varying from pale yellow and light brown to dark brown, black, or bicolored, and they reproduce asexually or sexually (Gill *et al.* 2015). Thrips also exhibit complex behavioral patterns, including fighting and eusociality. Many species are known

to induce galls on leaves of plants due to heavy feeding on actively growing plant tissues. Moreover, in-depth biological studies are needed to understand the evolutionary processes and ecological diversity of thrips (Crespi *et al.* 1997; Morse and Hoddle 2006). There are over 6,000 species of Thysanoptera known worldwide (Buckman *et al.* 2012). In 1836, Haliday recognized two suborders – Terebrantia and Tubulifera. The Terebrantia are classified into eight extant families – namely, Aeolothripidae, Fauriellidae, Heterothripidae, Melanthripidae, Merothripidae, Stenurothripidae, Thripidae, and Uzelothripidae. On the other hand, suborder Tubulifera contains only one family that is Phlaeothripidae with only two subfamilies Idolothripinae and Phlaeothripinae. In the Philippines, Ashmead (1905) described the earliest known tubuliferan, *Ecacanthothrips tibialis*, while the earliest known

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terebrantian, *Rhipiphorothrips pulchellus*, was reported by Morgan (1913). Uichanco (1919), the first Filipino entomologist, reported leaf-gall forming tubuliferans. Since then, a number of local, and foreign researchers studied thrips infesting field crops and ornamental plants in the country – including Bhatti (1980a, 1980b, 2003), Kudo (1980,1995,1997), Moulton (1927, 1935, 1936), Mound and Reynaud (2005), Mound and Nickle (2009), Mound and Tree (2009, 2011), Okajima (1982,1983a,1983b,1984, 1987a,1987b,1988,1989a,1989b), Okajima *et al.* (1992), Okajima and Masumoto (2014), Mirab-Balou *et al.* (2015), Priesner (1930a, 1930b, 1939, 1940, 1968), Reyes (1994, 1996, 1998, 2017), and Sakimura (1955, 1974). Workers who studied *Stenchaetothrips biformis* (Bagnall) and other species of thrips associated with rice were Calora and Ferino (1968), Ruhendi and Litsinger (1979), Nugaliyadde and Heinrichs (1984a, b), Barrion and Litsinger (1986), Medina and Tryon (1986), Medina and Saxena (1987), Reyes and Rillon (1994a, 1994b), and Heong *et al.* (1997). Moulton (1935), Calilung (1977), Calilung *et al.* (1990, 1994, 1997), Medina (1980), Bournier (1983), Rejesus *et al.* (1987), Mituda and Calilung (1989), Navasero (1990), Bernardo and Eusebio (1990), Bernardo (1991), Barroga (1992), Okajima *et al.* (1992), Sumalde *et al.* (1993), Dangan and Bacalangco (1994), Fernandez and Bernardo (1994, 1999), Hafeez *et al.* (2000), Galvez *et al.* (2005), and Navasero and Calumpang (2013) studied *Thrips palmi* Karny as a pest of either cotton, eggplant, potato, or melon. Thrips associated with banana, citrus, mango, mangosteen, and strawberry were reported by Pableo and Velasco (1992, 1994), Pableo *et al.* (2002), Evangelista (2007), Williams *et al.* (2009), Medina and Apolinario (2015), Padua and Ligat (2015), Apolinario *et al.* (2018), Mintu and Reyes (2018), Celiz and Ubaub (2018), Bagaoisan *et al.* (2019), and Reyes *et al.* (2020a). Thrips pests of asparagus, garlic, onion, and tomato were either reported and studied by Litsinger (1995), Lapus and Calilung (1999), Sabado *et al.* (2006), and Reyes *et al.* (in press) while thrips infesting *Anthurium*, *Vanda*, and *Ficus* were studied by Sabado *et al.* (1995), Sabado (2006), Navasero *et al.* (2002), and Reyes *et al.* (2020b). Other publications that listed known species of Thysanoptera in the Philippines are those of Capco (1957), Baltazar (1968), Nakahara (1985, 1997), Cayabyab and Cuaterno (2006), and Wang *et al.* (2010).

The study aimed to consolidate all known thrips species in the Philippines, determine species endemism, and species with biological control potential against arthropod pests of plants.

## MATERIALS AND METHODS

The inventory covers taxonomic literature published from 1905–2019 and manuscripts that were recently accepted for publication (Reyes *et al.* 2020a, b; Reyes and Copuyoc 2020; Reyes *et al.* in press). The distribution and associated plants are given for all the species, including those from Cecilia P. Reyes’s collection (Reyes 1994, 1996, 1998, 2017). The classification of the order Thysanoptera into two suborders and nine extant families was adopted from ThripsWiki (2020). The genera and species in the families plus subfamilies are listed and arranged alphabetically. Endemic thrips species and those with potential as predators of arthropods were identified and listed. Detailed information in the original publication of the species, date of publication, type locality, references on synonymies, and type specimen depositories are provided (Table 1).

**Table 1.** Type specimen depositories of Philippine Thysanoptera.

Code	Type specimen depository
ANIC	Australia National Insect Collection, Canberra, Australia
ASBC	Academy of Sciences, Beijing, China
BPBM	Bernice P. Bishop Museum, Honolulu, Hawaii, United States of America
CASC	California Academy of Sciences, San Francisco, California, United States of America
LCMI	Loyola College Madras, Chennai, India
MNHB	Museum fur Naturkunde der Humboldt, Berlin, Germany
NCIP	National Collection of Insects, Pretoria, South Africa
NMNH	National Museum of Natural History, Manila, Philippines
NMVA	Naturhistorisches Hofmuseum, Vienna, Austria
NRSS	Naturhistoriska Riksmuseet, Stockholm, Sweden
QMBA	Queensland Museum, Brisbane, Australia
SMFG	Senckenberg Museum, Frankfurt am Main, Germany
TARI	Taiwan Agricultural Research Institute, Taichung, Taiwan
BMNH	The Museum of Natural History, London, United Kingdom
TAUJ	Tokyo Agricultural University, Tokyo, Japan
USNM	United States National Museum of Natural History, Washington, District of Columbia, United States of America

## RESULTS

There are 213 species of Thysanoptera recorded in the Philippines. The suborder Terebrantia are represented by 97 species under families Aeolothripidae and Thripidae. Aeolothripidae consists of two genera and two species, or 0.94% of all known species. Thripidae consists of 43 genera and 95 species, with three species under the family

Dendrothripinae, 16 under Panchaethripinae, two species under Sericothripinae, and 74 species under Thripinae or 44.60%. On the other hand, suborder Tubulifera with one family, Phlaeothripidae, are represented by 53 genera and 116 species or 54.46%. Nonetheless, subfamily Idolothripinae has 21 species while subfamily Phlaeothripinae has 95 species. Moreover, aeolothripids are 100% endemic while thripids and phlaeothripids are 20% and 50% endemic, respectively. Altogether, the species endemicity of Philippine Thysanoptera is placed at 37.09%. Tables 2 and 3 show the summary of suborders,

families, subfamilies, the number of genera and species, endemic species, and the ranking of families in terms of the total number of species. Figure 1 shows the counts of endemic and non-endemic species under subfamilies, families, and suborders while Table 4 shows the endemic species under each family of Thysanoptera.

Based on the literature, there are four species of thrips with potential as predators of arthropod pests of plants (Table 5). *Franklinothrips rarosae* Reyes (Aeolothripidae) is a potential predator of plant-feeding thrips since all

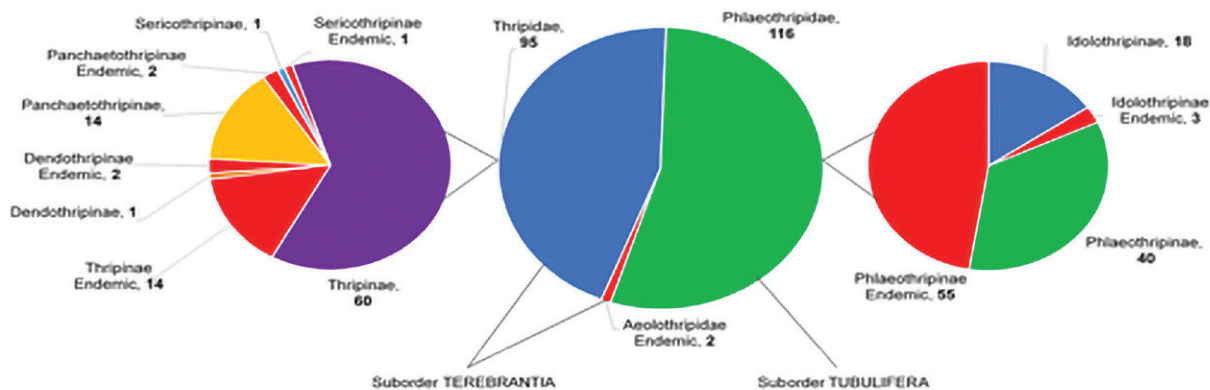
**Table 2.** Summary of taxa and endemic species of Philippine Thysanoptera.

Order Thysanoptera	Genus	Species	Percentage (%)	Endemic species	Percentage (%)
<b>Suborder Terebrantia</b>	<b>45</b>	<b>97</b>	<b>45.54</b>	<b>21</b>	<b>21.65</b>
Family Aeolothripidae	2	2	0.94	2	100
Family Thripidae	43	95	44.60	19	20.00
Subfamily Dendrothripinae	2	3	1.41	2	66.67
Subfamily Panchaethripinae	12	16	7.51	2	12.50
Subfamily Sericothripinae	2	2	0.94	1	50.00
Subfamily Thripinae	27	74	34.74	14	18.92
<b>Suborder Tubulifera</b>	<b>53</b>	<b>116</b>	<b>54.46</b>	<b>58</b>	<b>50.00</b>
Family Phlaeothripidae	53	116	54.46	58	50.00
Subfamily Idolothripinae	14	21	9.86	3	14.29
Subfamily Phlaeothripinae	39	95	44.60	55	57.89
<b>Total</b>	<b>98</b>	<b>213</b>	<b>100</b>	<b>79</b>	<b>37.09</b>

**Table 3.** Families of Philippine Thysanoptera ranked by the greatest number of species and percentage endemism.

Family	Species	Percentage (%)
Phlaeothripidae	116	54.46
Thripidae	95	44.60
Aeolothripidae	2	0.94
<b>Total</b>	<b>213</b>	<b>100</b>

species of *Franklinothrips* are known as predators (Hoddle 2003; Ng and Eow 2012); *Karnyothrips flavipes* (Jones) (Phlaeothripidae) is a predator of green scale insects and coffee berry borer (Jaramillo *et al.* 2010; Saengyot 2016) while *K. melaleucus* (Bagnall) (Phlaeothripidae) preys on scale insects (Lewis 1973) and *Podothrips lucasseni* (Kruger) (Phlaeothripidae) targets mites (Saengyot 2016).



**Figure 1.** Number of endemic species and non-endemic species of Thysanoptera in the Philippines.

**Table 4.** Endemic species of Philippine Thysanoptera.

Family	Species
Aeolothripidae	<i>Franklinothrips rarasae</i> Reyes <i>Streothrips alaris</i> Reyes
Thripidae	<i>Dendrothrips virgulatus</i> Reyes, <i>Pseudodendrothrips maculosus</i> Reyes, <i>Helionothrips guttatus</i> Reyes, <i>Hemingia glandula</i> Reyes, <i>Neohydathrips calilungae</i> Reyes, <i>Chaetanaphothrips</i> sp., <i>Danothrips moundsi</i> Bhatti, <i>Dendrothripoides nakaharai</i> Reyes, <i>Filipinothrips baltazarae</i> Reyes, <i>Stenchaetothrips fuscus</i> (Moulton), <i>S. victoriensis</i> (Moulton), <i>Taeniothrips ciliaris</i> (Reyes), <i>T. variegatus</i> (Reyes), <i>Tenothrips allia</i> (Moulton), <i>Thrips alius</i> Palmer, <i>T. palmerae</i> Reyes, <i>Trichromothrips pulchellus</i> (Moulton), <i>Trichromothrips</i> sp., <i>Tusothrips immaculatus</i> Reyes
Phlaeothripidae	<i>Dinothrips monodon</i> Karny, <i>Elaphrothrips philippinensis</i> Okajima, <i>Tarassothrips grandis</i> Okajima, <i>Adelphothrips longisetosus</i> (Reyes), <i>A. ignotus</i> (Reyes), <i>Adraneothrips makilingensis</i> (Reyes), <i>Androthrips kurosawai</i> Priesner, <i>Apelaunothrips cephalicus</i> Okajima, <i>A. fasciatus</i> Okajima, <i>A. flavicornis</i> Okajima, <i>A. marginalis</i> Okajima, <i>A. philippinensis</i> Okajima, <i>A. rostratus</i> Okajima, <i>A. simpliceps</i> Okajima, <i>Apelaunothrips</i> sp. 1, <i>Apelaunothrips</i> sp. 2, <i>Azaleothrips apoensis</i> Okajima & Masumoto, <i>A. bifidus</i> Okajima & Masumoto, <i>A. luzonicus</i> Okajima & Masumoto, <i>A. mindanaoensis</i> Okajima & Masumoto, <i>A. philippinensis</i> Okajima & Masumoto, <i>Bradythrips philippinensis</i> Okajima, <i>Deplorothrips similis</i> Okajima, <i>Dolichotherips crassusensus</i> Reyes, <i>Ecacanthothrips claricornis</i> Okajima, <i>E. tenuicornis</i> Okajima, <i>Eugynothrips (Eugynothrips) brevisetis</i> (Priesner), <i>Gemmathrips brevis</i> Reyes, <i>Gigantothrips pontis</i> (Reyes), <i>G. xynos</i> (Reyes), <i>Gynaikeothrips capitulatus</i> Reyes, <i>G. pedanus</i> Reyes, <i>Holothrips apoensis</i> Okajima, <i>H. brevitubus</i> Okajima, <i>H. cupreus</i> Okajima, <i>H. flavus</i> Okajima, <i>H. luminosus</i> Okajima, <i>H. maxillae</i> Okajima, <i>H. setosus</i> Okajima, <i>Karnyothrips ateuchis</i> Reyes, <i>K. expandosus</i> Reyes, <i>Leeuwenia arbastoeae</i> Reyes, <i>L. fimbriatrix</i> Priesner, <i>Leptolothrips manilae</i> Moulton, <i>Liothrips (Liothrips) orchidis</i> Moulton, <i>Lizalothrips luzonensis</i> Okajima, <i>Phenicothrips spectator</i> Priesner, <i>Phylladothrips bispinosus</i> (Okajima), <i>Plectrothrips</i> sp. 1, <i>Plectrothrips</i> sp. 2, <i>Praeciputhrips balli</i> Reyes, <i>Praepodothrips caustapeltus</i> Reyes, <i>Propealiothrips moundsi</i> Reyes, <i>Propesolomonothrips mindorensis</i> Reyes, <i>Psalidothrips longiceps</i> Okajima, <i>Psephenothrips strasseni</i> Reyes, <i>Rosingotherips ommatus</i> Reyes, <i>Stephanothrips leucocephalus</i> Okajima

**Table 5.** Species of Philippine Thysanoptera with potential as predators of arthropods.

Species (Family)	Arthropods (scientific name)	References
<i>Franklinothrips rarasae</i> Reyes (Aeolothripidae)	Thrips, mites	Hoddle (2003) Ng and Eow (2012)
<i>Karnyothrips flavipes</i> (Jones) (Phlaeothripidae)	Green scale insects [ <i>Coccus viridis</i> (Green)] Coffee berry borer [ <i>Hypothenemus hampei</i> (Ferrari)]	Jaramillo <i>et al.</i> (2010) Saengyot (2016)
<i>Karnyothrips melaleucus</i> (Bagnall) (Phlaeothripidae)	Scale insects [ <i>Ceroplastes cirripediformis</i> Comstock]	Lewis (1973)
<i>Podothrips lucasseni</i> (Kruger) (Phlaeothripidae)	“Santol” gall mite [ <i>Aceria sandorici</i> Nalepa] “Litchi” mite [ <i>Aceria litchi</i> Keifer]	Saengyot (2016)

Species of aeolothripids found in tropical countries are obligate predators and they feed on plant-feeding thrips and mites (Mound and Reynaud 2005; Bailey 1951). On the other hand, phlaeothripids are known to live in a wide range of habitats including moss, fungi, leaf litter, the bark of dead or living trees, leaves and flowers of shrubs, trees, and grasses, and thripids are usually associated with field crops and ornamental plants and a number of species are known as a vector of viral pathogens (Buckman *et al.* 2012). Table 6 shows the species of Thysanoptera that are associated with selected high-value agricultural crops and ornamental plants in the Philippines.

## CLASSIFICATION

ORDER THYSANOPTERA HALIDAY  
SUBORDER TEREBRANTIA HALIDAY

FAMILY AEOLOTHIRIPIDAE UZEL

1) Genus *Franklinothrips* Back

\**Franklinothrips rarasae* Reyes

*Franklinothrips rarasae* Reyes, 1994: 129. Holotype male and paratype female (ANIC), paratype male (BMNH), Philippines: Mt. Pangasugan, Leyte

**Table 6.** Species of Thysanoptera associated with selected high-value agricultural crops and ornamental plants in the Philippines.

Plant	Species
Anthurium	<i>Chaetanaphothrips orchidii</i> (Moulton), <i>C. signipennis</i> (Bagnall), <i>Danothrips moundi</i> Bhatti, <i>Trichromothrips</i> sp.
Banana	<i>Arorathrips mexicanus</i> (Crawford), <i>Bamboosiella cingulata</i> (Hood), <i>Chaetanaphothrips signipennis</i> (Bagnall), <i>Dendrothripoides innoxius</i> (Karny), <i>Elixothrips brevisetis</i> (Bagnall), <i>Helionothrips kodaliphilus</i> (Ramakrishna & Margabandhu), <i>Mecynothrips simplex</i> Bagnall, 1912, <i>Meiothrips menoni</i> Ananthakrishnan, <i>Selenothrips rubrocinctus</i> (Giard), <i>Thrips alius</i> Palmer, <i>T. florum</i> Schmutz, <i>T. hawaiiensis</i> (Morgan), <i>T. javanicus</i> Priesner
Bamboo	<i>Bamboosiella varia</i> (Ananthakrishnan & Jagadish), <i>Bolacothrips graminis</i> (Priesner), <i>Dendrothripoides microchaetus</i> Okajima, <i>Ecacanthothrips tenuicornis</i> Okajima, <i>Elixothrips brevisetis</i> (Bagnall), <i>Karyothrips melaleucus</i> (Bagnall), <i>Heliothrips haemorrhoidalis</i> (Bouche), <i>Phibalothrips peringueyi</i> (Faure), <i>Propesolomonthrips mindorensis</i> Reyes, <i>Stenchaetothrips spinalis</i> Reyes, <i>Stephanothrips occidentalis</i> Hood & Williams
Cacao	<i>Ayyaria chaetophora</i> Karny, <i>Ecacanthothrips tibialis</i> (Ashmead), <i>Selenothrips rubrocinctus</i> (Giard)
Citrus	<i>Anaphothrips sudanensis</i> Trybom, <i>Ayyaria chaetophora</i> Karny, <i>Fulmekiola serrata</i> (Kobus), <i>Heliothrips haemorrhoidalis</i> (Bouche), <i>Thrips hawaiiensis</i> (Morgan), <i>Thrips javanicus</i> Priesner, <i>Thrips longicaudatus</i> (Bianchi), <i>Thrips malloti</i> (Priesner), <i>Thrips parvispinus</i> (Karny), <i>Thrips subnudula</i> (Karny), <i>Elaphrothrips denticollis</i> (Bagnall)
Coconut	<i>Ecacanthothrips tibialis</i> (Ashmead), <i>Ethirothrips stenomelas</i> (Walker), <i>Machatothrips artocarpi</i> Moulton, 1928
Coffee	<i>Karyothrips flavipes</i> (Jones), <i>Selenothrips rubrocinctus</i> (Giard), <i>Megalurothrips distalis</i> Karny, <i>Propealiothrips moundi</i> Reyes, <i>Thrips hawaiiensis</i> (Morgan)
Cotton	<i>Astrothrips tumiceps</i> Karny, <i>Ayyaria chaetophora</i> Karny, <i>Haplothrips (Haplothrips) ganglbaueri</i> Schmutz, <i>Thrips palmi</i> Karny, <i>T. tabaci</i> Lindeman, <i>Trichromothrips pulchellus</i> (Moulton)
Corn	<i>Anaphothrips sudanensis</i> Trybom, <i>Bolacothrips graminis</i> (Priesner), <i>Caliothrips striatopterus</i> (Kobus), <i>Ethirothrips stenomelas</i> (Walker), <i>Frankliniella schultzei</i> (Trybom), <i>Frankliniella williamsi</i> Hood, <i>Haplothrips (Haplothrips) ganglbaueri</i> Schmutz, <i>Haplothrips (Haplothrips) gowdeyi</i> (Franklin), <i>Phibalothrips peringueyi</i> (Faure), <i>Stenchaetothrips biformis</i> (Bagnall), <i>S. minutus</i> (Deventer), <i>Thrips brevistylus</i> (Priesner), <i>T. hawaiiensis</i> (Morgan), <i>T. malloti</i> (Priesner)
Ficus spp.	<i>Androthrips kurosawai</i> Priesner, <i>Dolichotherips indicus</i> (Hood), <i>Dolichotherips reuteri</i> (Karny), <i>Elixothrips brevisetis</i> (Bagnall), <i>Helionothrips guttatus</i> Reyes, <i>Gigantothrips elegans</i> Zimmermann, <i>G. xynos</i> (Reyes), <i>Gynaikothrips luzonensis</i> Priesner, <i>G. uzeli</i> (Zimmermann), <i>Macrophthalmothrips quadricolor</i> Karny, <i>Mesothrips jordani</i> Zimmermann, <i>Neocorynothrips asiaticus</i> Ramakrishna & Margabandhu, <i>Phenicothrips callosae</i> (Priesner), <i>Pseudodendrothrips mori</i> (Niwa), <i>Rhipiphorotherips pulchellus</i> Morgan
Garlic	<i>Anaphothrips sudanensis</i> Trybom, <i>Haplothrips (Haplothrips) gowdeyi</i> (Franklin), <i>Thrips tabaci</i> Lindeman
Legume	<i>Astrothrips tumiceps</i> Karny, <i>Nesothrips lativentris</i> (Karny), <i>Megalurothrips distalis</i> Karny, <i>M. typicus</i> Bagnall, <i>M. usitatus</i> (Bagnall), <i>Phibalothrips peringueyi</i> (Faure), <i>Thrips palmi</i> Karny, <i>Tusothrips setiprivus</i> (Karny), <i>T. sumatrensis</i> (Karny)
Mango	<i>Haplothrips (Haplothrips) gowdeyi</i> (Franklin), <i>Heliothrips haemorrhoidalis</i> (Bouche), <i>Mecynothrips simplex</i> Bagnall, <i>Megalurothrips typicus</i> Bagnall, <i>M. usitatus</i> (Bagnall), <i>Meiothrips menoni</i> Ananthakrishnan, <i>Scirtothrips dobroskyi</i> Moulton, <i>S. dorsalis</i> Hood, <i>Selenothrips rubrocinctus</i> (Giard), <i>Thrips hawaiiensis</i> (Morgan), <i>T. sumatrensis</i> Priesner
Mangosteen	<i>Heliothrips haemorrhoidalis</i> (Bouche), <i>Selenothrips rubrocinctus</i> (Giard), <i>Caliothrips striatopterus</i> (Kobus)
Melon	<i>Thrips palmi</i> Karny, <i>T. parvispinus</i> (Karny)
Onion	<i>Tenothrips allia</i> (Moulton), <i>Thrips tabaci</i> Lindeman
Orchid	<i>Astrothrips aucubae</i> Kurosawa, <i>Copidothrips octarticulatus</i> (Schmutz), <i>Chaetanaphothrips orchidii</i> (Moulton), <i>Chaetanaphothrips</i> sp., <i>Dichromothrips corbetti</i> (Priesner), <i>D. dendrobii</i> Sakimura, <i>D. phalaenopsidis</i> Sakimura, <i>D. semicognitus</i> Sakimura, <i>Frankliniella schultzei</i> (Trybom), <i>Hoplandrothrips flavipes</i> Bagnall, <i>Karyothrips melaleucus</i> (Bagnall)
Peanut	<i>Scirtothrips dorsalis</i> Hood
Pepper	<i>Scirtothrips dorsalis</i> Hood, <i>Thrips palmi</i> Karny, <i>T. parvispinus</i> (Karny)
Potato	<i>Dendrothripoides innoxius</i> (Karny), <i>Heliothrips haemorrhoidalis</i> (Bouche), <i>Megalurothrips usitatus</i> (Bagnall), <i>Thrips palmi</i> Karny

Rice	<i>Ananthakrishnana euphorbiae</i> (Priesner), <i>Anaphothrips sudanensis</i> Trybom, <i>Arorathrips mexicanus</i> (Crawford), <i>Arorathrips spiniceps</i> (Hood), <i>Astrothrips globiceps</i> (Karny), <i>Ayyaria chaetophora</i> Karny, <i>Bamboosiella cingulata</i> (Hood), <i>Bolacothrips graminis</i> (Priesner), <i>Caliothrips striatopterus</i> (Kobus), <i>Dendrothripoides innoxius</i> (Karny), <i>Ecacanthothrips tibialis</i> (Ashmead), <i>Frankliniella intonsa</i> (Trybom) <i>F. schultzei</i> (Trybom), <i>Haplothrips</i> ( <i>Haplothrips</i> ) <i>ganglbaueri</i> Schmutz, <i>Heliothrips haemorrhoidalis</i> (Bouche), <i>Hoplandrothrips flavipes</i> Bagnall, <i>Megalurothrips usitatus</i> (Bagnall), <i>Microcephalothrips abdominalis</i> (Crawford), <i>Nesothrips lativentris</i> (Karny) <i>Selenothrips rubrocinctus</i> (Giard), <i>Stenchaetothrips bififormis</i> (Bagnall) <i>Thrips sumatrensis</i> Priesner
Rose	<i>Nesothrips brevicollis</i> (Bagnall), <i>Scirtothrips dorsalis</i> Hood, <i>Stenchaetothrips bififormis</i> (Bagnall), <i>Thrips hawaiiensis</i> (Morgan), <i>Thrips malloti</i> (Priesner)
Strawberry	<i>Frankliniella intonsa</i> (Trybom)
Sugarcane	<i>Anaphothrips sudanensis</i> Trybom, <i>Arorathrips spiniceps</i> (Hood), <i>Bolacothrips graminis</i> (Priesner), <i>Caliothrips striatopterus</i> (Kobus), <i>Dinothrips spinosus</i> (Schmutz) <i>Exothrips sacchari</i> (Moulton), <i>Frankliniella williamsi</i> Hood, <i>Fulmekiola serrata</i> (Kobus), <i>Plesiothrips perplexus</i> (Beach), <i>Stenchaetothrips bififormis</i> (Bagnall), <i>S. fuscus</i> (Moulton), <i>S. minutus</i> (Deventer), <i>Thrips javanicus</i> Priesner, <i>Haplothrips</i> ( <i>Haplothrips</i> ) <i>ganglbaueri</i> Schmutz
Tobacco	<i>Anaphothrips sudanensis</i> Trybom, <i>Frankliniella schultzei</i> (Trybom), <i>Fulmekiola serrata</i> (Kobus), <i>Ecacanthothrips tibialis</i> (Ashmead) <i>Megalurothrips typicus</i> Bagnall, <i>Nesothrips brevicollis</i> (Bagnall), <i>Scirtothrips dorsalis</i> Hood, <i>Thrips parvispinus</i> (Karny), <i>T. tabaci</i> Lindeman
Tomato	<i>Anaphothrips sudanensis</i> Trybom, <i>Ceratothripoides claratris</i> (Shumsher), <i>Scirtothrips dobroskyi</i> Moulton, <i>Thrips palmi</i> Karny, <i>Tusothrips sumatrensis</i> (Karny)

Distribution: Philippines: Region 8: Mt. Pangasugan, Leyte; plant associate: in Malaise trap; remarks: endemic species. Potential predator of thrips and mites since all species of *Frankliniella* are known as predators (Hodddle 2003; Ng and Eow 2012).

## 2) Genus *Streothrips* Bhatti

### \**Streothrips alaris* Reyes

*Streothrips alaris* Reyes, 1994: 131. Holotype female (ANIC), Philippines: Jordan, Guimaras

Distribution: Philippines: Region 6: Jordan, Guimaras; plant associate: *Mangifera indica* L.; remarks: endemic species.

## FAMILY THIRIPIDAE STEPHENS SUBFAMILY DENDROTHRIPINAE PRIESNER

### 1) Genus *Dendrothrips* Uzel

#### \**Dendrothrips virgulatus* Reyes

*Dendrothrips virgulatus* Reyes, 1994: 204. Holotype female (ANIC), Philippines: Mt. Pangasugan, Leyte

Distribution: Philippines: Region 8: Mt. Pangasugan, Leyte; plant associate: unknown shrub; remarks: endemic species.

### 2) Genus *Pseudodendrothrips* Schmutz

#### \**Pseudodendrothrips maculosus* Reyes

*Pseudodendrothrips maculosus* Reyes, 1994: 251.

Holotype female (ANIC), Philippines: Mudspring, Mt. Makiling, Laguna

Distribution: Philippines: Region 4A: Mudspring, Mt. Makiling, Laguna; plant associate: in leaf litter; remarks: endemic species.

### \**Psuedodendrothrips mori* (Niwa)

*Belothrips mori* Niwa, 1908: 180. Holotype female (unknown depository), Japan

Distribution: Philippines: Region 4A: Los Baños, Laguna; plant associate: *Morus alba* L., *Ficus carica* L., *Ficus* sp.

## SUBFAMILY PANCHAETOTHRIPINAE BAGNALL

### 3) Genus *Astrothrips* Karny

#### \**Astrothrips aucubae* Kurosawa

*Astrothrips aucubae* Kurosawa, 1932: 230. Holotype (unknown depository), Japan: Mt. Takao; Paratype female, same data as holotype (USNM)

Distribution: Philippines: National Capital Region: Manila, in quarantine at Honolulu, Hawaii, USA; Region 12: Mlang, North Cotabato; plant associate: orchids, *Aucuba japonica* Thunb., *Thalictrum aquilegifolium* L., *Thalictrum minus* L.

#### \**Astrothrips globiceps* (Karny)

*Heliothrips globiceps* Karny, 1913a: 125. Holotype female (SMFG), New Britain: Ralum

Distribution: Philippines: Region 4A: San Pablo; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Calapan, Mindoro; BFD, Brooks Point, Palawan; Brooks Point, Palawan; Tagwayan, Batarasa, Palawan; Region 8: Maasin, Baybay, Leyte; Region 12: Mlang, North Cotabato; Agko, Mt. Apo; plant associate: Malvaceae, *Colocasia* sp., *Crinum asiaticum* L., *Plumiera acutifolia* Poir., *Portulaca pilosa* L., *Oryza sativa* L., *Lantana camara* L., *Centrosema plumieri* (Turpin ex Pers.) Benth., *Dysoxylum decandrum* (Blanco) Merr.

***Astrothrips tumiceps* Karny**

*Astrothrips tumiceps* Karny, 1923: 331. Holotype female (SMFG), Indonesia: Banjoewangi, Java

Distribution: Philippines: Region 4A: Los Baños, Laguna; Region 4B: Suqui, Calapan, Mindoro; Tagwayan, Batarasa, Palawan; Maasin, Brooks Point, Palawan; Region 6: Victorias, Negros Occidental; La Granja, Negros Occidental; La Carlota, Negros Occidental; Region 12: Bagontapay, Mlang, North Cotabato; plant associate: legume, bread fruit, grass, fern, *Erythrina* sp., *Canna* sp., *Canna speciosa* (Roscoe) Hook, *Gossypium* sp., *Gossypium brasiliense* Macfad., *Ricinus communis* L., *Glycine max* (L) Merr., *Dolichos lablab* L., *Mallotus multiglandulosus* (Reinw. ex Blume.) Hurus, *Centrosema plumieri* (Turpin ex Pers.) Benth., *Lantana camara* L., *Dysoxylum decandrum* (Blanco) Merr.

4) Genus *Caliothrips* Daniel

***Caliothrips striatopterus* (Kobus)**

*Thrips striatoptera* Kobus, 1892: 589–590. Neotype male (USNM), Indonesia: Pasoeroean, Java

Distribution: Philippines: Region 2: Gagabutan Forest, Rizal, Cagayan; Region 3: Nueva Ecija; Region 5: Goa, Camarines Sur; Region 6: Piña, Guimaras; Region 11: Davao; Region 12: Agko, Mt. Apo; Mlang, North Cotabato, Malungon, South Cotabato; Koronadal, South Cotabato; plant associate: *Oryza sativa* L., *Zea mays* L., *Saccharum officinarum* L., *Garcinia mangostana* L., *Colocasia esculenta* (L.) Schott, *Cucurbita maxima* Duchesne, *Ageratum* sp., *Suzygium* sp.

5) Genus *Copidothrips* Hood

***Copidothrips octarticulatus* (Schmutz)**

*Heliothrips* (*Parthenothrips*) *octarticulata* Schmutz, 1913: 993. Holotype (unknown depository)

Distribution: Philippines: Region 4B: Canigaran Beach, Puerto Princesa, Palawan; Region 9: Anuling, Pamocotan, Zamboanga; plant associate: iris, orchids, in soil, Compositae, *Capparis* sp., *Asystasia gangetica* (L.) Ander.

6) Genus *Elixothrips* Stannard & Mitri

***Elixothrips brevisetis* (Bagnall)**

*Trypactothrips brevisetis* Bagnall, 1919: 257. Holotype female (BMNH), Seychelles: Cascade, Mahe

Distribution: Philippines: Region 3: Mt. Samat, Balanga, Bataan; Region 4A: Mudspring, Mt. Makiling; Mt. Makiling, Los Baños; San Pablo, Laguna; Region 4B: BFD, Brooks Point, Palawan; Tagwayan, Batarasa, Palawan; Maasin, Brooks Point, Palawan; Mt. Halcon, Mindoro Oriental; Region 5: Pili, Camarines Sur; Region 6: La Paz, Iloilo; Victorias Negros Occidental; Region 9: Anuling, Pamocotan, Zamboanga del Sur; Region 12: Agko, Mt. Apo; plant associate: *Musa sapientum* L., *Canna speciosa* (Roscoe) Hook, *Morinda citrifolia* L., *Codiaeum variegatum* (L.) Blume., *Portulaca pilosa* L., *Ipomoea alba* L., *Mallotus multiglandulosus* (Reinw. ex Blume.) Hurus, *Lagerstremia speciosa* (L.) Pers., *Lantana camara* L., *Acalypha* sp., *Angiopteris* sp., *Acalypha* sp., *Bambusa* sp., *Morus* sp., *Ficus* sp.

7) Genus *Helionothrips* Bagnall

***Helionothrips annosus* Wang**

*Helionothrips annosus* Wang, 1994: 391. Paratype (TARI), Taiwan

Distribution: Philippines: Region 3: Bagac, Bataan; plant associate: *Cinnamomum iners* (Reinw.) Blume. *Cinnamomum camphora* (L.) Presl., *Litsea* sp.

**\**Helionothrips guttatus* Reyes**

*Helionothrips guttatus* Reyes, 1994: 150. Holotype female (ANIC), 2 female paratypes (BMNH), Philippines: Sagpangan, Agko, Mt. Apo

Distribution: Philippines: Region 5: Pili, Camarines Sur; Region 12: Agko, Mt. Apo; plant associate: flowers of “everlasting”, leaves of *Ficus* sp., leaves of *Macaranga* sp., unidentified tree; remarks: endemic species.

***Helionothrips kodaliphilus* (Ramakrishna & Margabandhu)**

*Heliothrips kodaliphila* Ramakrishna & Margabandhu, 1931: 1033. Lectotype female (LCMI), India: Coimbatore

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: leaves of *Musa sapientum* L., *Anona squamosa* L., *Macaranga* sp., *Colocasia* sp.

8) Genus *Heliothrips* Haliday

***Heliothrips haemorrhoidalis* (Bouche)**

*Thrips haemorrhoidalis* Bouche, 1833: 42. Holotype (unknown depository), Germany: Berlin

Distribution: Philippines: Region 4A: Mt. Makiling, Los Baños; Maddela, Quezon; Region 4B: White Beach, Puerto Princesa, Palawan; PNAC, Palawan; Region 8: VISCA, Baybay, Leyte; Region 11: Davao; Region 12: Agko, Mt. Apo; Sagpangan, Agko, Mt. Apo; Mlang, North Cotabato; Malandag, Malungon, South Cotabato; plant associate: *Oryza sativa* L., *Mangifera indica* L., *Garcinia mangostana* L., *Persea americana* Mill.,

*Artocarpus heterophyllus* Lam., *Ipomoea batatas* (L.) Lam., *Codiaeum variegatum* (L.) Juss., *Sarcocephalus orientalis* (L.) Merr., *Celtis luzonica* Warb., *Camellia sinensis* (L.) Kuntze, *Bambusa* sp., *Citrus* sp., *Glericidia* sp., “ceriales”, “almasiga”

9) Genus *Hemingia* Reyes

**\**Hemingia glandula* Reyes**

*Hemingia glandula* Reyes, 1994: 157. Holotype female (ANIC), 2 female paratypes (BMNH), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: *Sarcocephalus orientalis* (L.) Merr.; remarks: endemic species.

10) Genus *Panchaetothrips* Bagnall

***Panchaetothrips stepheni* Reyes**

*Panchaetothrips stepheni* Reyes, 1994: 160. Holotype female (ANIC), female paratype (BMNH), Philippines: Mudspring, Mt. Makiling

Distribution: Philippines: Region 4A: Mudspring, Mt. Makiling; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Puerto Gallera, Mindoro; Katduang, Puerto Princesa, Palawan; Region 12: Mlang, North Cotabato; plant associate: *Plumiera acutifolia* Poir, *Scaevola sericea* Vahl., unidentified plant, Rubiaceae, *Clerodendrum* sp., *Mussaenda* sp.

11) Genus *Phibalothrips* Hood

***Phibalothrips peringueyi* (Faure)**

*Reticulothrips peringueyi* Faure, 1925: 145. Holotype female (NCIP), South Africa: Arcadia, Pretoria, Transvaal

Distribution: Philippines: National Capital Region: Manila; Region 4A: San Pablo, Laguna; Region 4B: White Beach, Puerto Princesa; plant associate: *Zea mays* L., *Glycine max* (L.) Merr., *Andropogon pertusus* (L.) Willd., *Chloris barbata* Swartz, *Bachystegia filiformis* Burt Davy & Hutch., *Hyparrhenia hirta* (L.) Stapf., *Popowia obovata* Engl. & Diels., grass, *Bambusa* sp., *Panicum* sp., *Anona* sp.

12) Genus *Retithrips* Marchal

***Retithrips javanicus* Karny**

*Retithrips javanicus* Karny, 1923: 364. Lectotype female (SMFG), Indonesia: Buitenzorg, Java

Distribution: Philippines: National Capital Region: Bicutan, Taguig; Quezon City; Region 4A: Los Baños, Laguna; plant associate: *Hyptis brevipes* Poit., *Quisqualis indica* L., *Terminalia catappa* L., leaves of unidentified plant

13) Genus *Rhipiphorothrips* Morgan

***Rhipiphorothrips pulchellus* Morgan**

*Rhipiphorothrips pulchellus* Morgan, 1913: 17. Holotype male (USNM), Philippines: Manila

Distribution: Philippines: Cordillera Administrative Region: Wright Park, Baguio; Region 3: Balanga, Bataan; National Capital Region: Manila; Almazar, Alabang; Region 4A: Los Baños, Laguna; Mt. Makiling, Los Baños; Region 6: La Granja, Negros Occidental, La Carlota, Negros Occidental; plant associate: *Vitis vinifera* L., *Jatropha curcas* L., *Bixa orellana* L., *Lagerstroemia* sp., *Lagerstroemia speciosa* (L.) Pers., *Eugenia jambolana* Lam., *Eugenia filiformis* (Wall. ex Duthie) Chantaran., *Ricinus communis* L., *Sandoricum koetjape* (Burm.) Merr., *Sarcocephalus orientalis* (L.) Merr., *Suzygium cuminii* (L.) Skeels, *Ficus benghalensis* L., *Rottboellia cochinchinensis* (Lour.) Clayton, *Boerhaavia* sp., *Rosa* sp., *Terminalia* sp.

14) Genus *Selenothrips* Karny

***Selenothrips rubrocinctus* (Giard)**

*Physopus rubrocincta* Giard, 1901: 264. Neotype female (USNM), French West Indies: Guadeloupe

Distribution: Philippines: Region 2: Ilagan, Isabela; National Capital Region: Manila; Region 8: Samar; Region 11: Davao; Region 12: Agko, Mt. Apo; Mlang, North Cotabato; plant associate: *Oryza sativa* L., *Mangifera indica* L., *Garcinia mangostana* L., *Coffea arabica* L., *Theobroma cacao* L., *Persea americana* Mill., *Persea* sp., *Psidium guajava* L., *Anacardium occidentale* L., *Musa* sp., *Lycopersicon lycopersicum* (L.), *Bixa orellana* L., *Plumiera acutifolia* Poir. *Diospyros kaki* Thunb. *Codiaeum variegatum* (L.) Juss., on numerous plants

## SUBFAMILY SERICOTHRIPINAE KARNY

15) Genus *Hydatothrips* Karny

***Hydatothrips haschemi* Girault**

*Hydatothrips haschemi* Girault, 1930: 2. Holotype female (QMBA), Australia: Brisbane

*Hydatothrips palawanensis* Kudo, 1997: 336. Holotype female (UPLB), Philippines: Palawan.

Synonymised by Mound & Tree, 2009: 1.

Distribution: Philippines: Region 4B: Palawan; plant associate: unknown plant

16) Genus *Neohydatothrips* John

***Neohydatothrips calilungae* Reyes**

*Neohydatothrips calilungae* Reyes, 1994: 245. Holotype male (ANIC), Philippines: Baybay, Leyte

Distribution: Philippines: Region 8: Baybay, Leyte; plant associate: *Codiaeum variegatum* (L.) Juss.; remarks: endemic species.



## SUBFAMILY THRIPINAE STEPHENS

### 17) Genus *Anaphothrips* Uzel

#### ***Anaphothrips sudanensis* Trybom**

*Anaphothrips sudanensis* Trybom, 1911: 1. Syntype female (NRSS), Sudan: South of Kaka, White Nile

*Anaphothrips piercei* Moulton, 1936: 265. Holotype female (CASC), Philippines: Panucoy, Bacolod, Negros Occidental. Synonymized by Bhatti, 1979: 88.

Distribution: Philippines: Region 3: Nueva Ecija; National Capital Region: Manila, taken in quarantine at Hawaii, USA; Region 4A: Pansol, Calamba; Region 4B: Oriental Mindoro; Palawan; Region 5: Camarines Sur; Region 6: Bacolod; Victorias, Negros Occidental; La Granja, Negros Occidental; La Carlota, Negros Occidental; Iloilo; Aklan; Region 7: Bohol; Region 8: Baybay, Leyte; Mt. Pangasugan, Leyte; Samar; Region 12: Agko, Mt. Apo, South Cotabato; plant associate: *Oryza sativa* L., *Zea mays* L., *Saccharum officinarum* L., *Saccharum spontaneum* L., *Lycopersicon lycopersicum* L., *Nicotiana tabacum* L., *Allium sativum* L., *Citrus* sp., grass, on numerous plants

### 18) Genus *Arorathrips* Bhatti

#### ***Arorathrips mexicanus* (Crawford)**

*Chirothrips mexicanus* Crawford, 1909: 114. Holotype female (USNM) Mexico: Guadalajara

Distribution: Philippines: National Capital Region: Manila; Bicutan; Taguig; Region 4A: Rizal, UPLB, Los Baños, Laguna; Region 8: VISCA, Baybay; Mt. Pangasugan, Leyte; Region 12: Mlang, North Cotabato; plant associate: *Oryza sativa* L., *Chloris inflata* Link., *Chloris barbata* Sw., *Cynodon dactylon* (L.) Pers., *Eleusine indica* (L.) Gaertn., *Musa sapientum* L., *Lantana camara* L., *Nicotiana tabacum* L., *Vigna sinensis* L., December plant

#### ***Arorathrips spiniceps* (Hood)**

*Chirothrips spiniceps* Hood, 1915: 12. Holotype female (USNM), USA: Glendale, Arizona

Distribution: Philippines: Region 6: Iloilo; La Granja, La Carlota, Negros Occidental; Region 8: Samar; plant associate: *Oryza sativa* L., *Zea mays* L., *Saccharum officinarum* L., *Cynodon dactylon* (L.) Pers., *Echinochloa crusgalli* (L.) Beauv., *Panicum coloratum* L., *Panicum maximum* Jacq., *Panicum virgatum* L., *Setaria geniculata* Beauv., grass, *Bambusa* sp.

### 19) Genus *Ayyaria* Karny

#### ***Ayyaria chaetophora* Karny**

*Ayyaria chaetophora* Karny, 1927: 193. Holotype female (SMFG), India: Taliparamba, Malabar

*Bussothrips claratibia* Moulton, 1935: 475. Female holotype (CASC), Philippines: Singalong, Manila.

Synonymised by Bailey, 1949: 119.

Distribution: Philippines: National Capital Region: Singalong, Manila; Region 4A: Los Baños, Laguna; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Palawan; Region 7: Bohol; Region 8: Baybay, Leyte; Region 9: La Paz, Zamboanga del Sur; plant associate: *Oryza sativa* L., *Theobroma cacao* L., *Codiaeum variegatum* (L.) Juss., *Manihot utilissima* Pohl., *Manihot glazovii* (Mull. ex Arg.) Allem., *Ricinus* sp., *Ricinus communis* L., *Canavalia ensiformis* (L.) DC., *Dolichos lablab* L., *Glycine max* (L.) Merr., *Vigna catjang* (Burm.) Walp., *Gossypium indicum* Lam., *Citrus* sp., *Gossypium* sp., *Ageratum* sp., *Ipomoea* sp., *Acalypha* sp.

### 20) Genus *Bolacothrips* Uzel

#### ***Bolacothrips graminis* (Priesner)**

*Bolacidothrips graminis* Priesner, 1930b: 6. Holotype female (SMFG), Egypt

Distribution: Philippines: Region 3: Nueva Ecija; National Capital Region: Manila, taken in quarantine at Los Angeles, California, USA; Region 5: Camarines Sur; Region 8: Leyte; Region 12: South Cotabato; Region 13: Agusan del Norte; plant associate: *Oryza sativa* L., *Zea mays* L., *Cynodon dactylon* (L.) Pers., *Imperata cylindrica* (L.) Beauv., *Echinochloa colona* (L.) Link., *Phragmites communis* Trin., *Polypogon monspeliensis* (L.) Desf., *Saccharum officinarum* L., *Sorghum vulgare* L., *Bambusa* sp., *Cymbopogon* sp., *Scirpus* sp.

### 21) Genus *Ceratothripoides* Bagnall

#### ***Ceratothripoides claratris* (Shumsher)**

*Taeniothrips claratris* Shumsher, 1946: 178. Syntypes (unknown depository), India.

*Ceratothrips reticulatus* Reyes: Reyes, 1994: 183. Holotype female (ANIC), female paratype (BMNH), Philippines: Taguig. Synonymized by Bhatti, 2003: 8.

*Ceratothripoides claratris* (Shumsher): Transferred by Mound & Nickle, 2009: 60.

Distribution: Philippines: National Capital Region: Taguig; Region 4A: Los Baños, Laguna; plant associate: *Lycopersicon lycopersicum* L., *Datura* sp.

### 22) Genus *Chaetanaphothrips* Priesner

#### ***Chaetanaphothrips orchidii* (Moulton)**

*Euthrips orchidii* Moulton, 1907: 52. Lectotype, female (CASC), USA: Alamada County, California

Distribution: Philippines: Region 4A: Los Baños, Laguna; Region 5: Daraga, Albay; Region 9: Zamboanga del Sur; plant associate: orchids, *Anthurium* sp., leaf rolls

of *Elatostemma sesquifolium* (Blume.) Hasskarl.

***Chaetanaphothrips signipennis* (Bagnall)**

*Scirtothrips signipennis* Bagnall, 1914b: 22. Holotype female (BMNH), Sri Lanka: Peradenya

Distribution: Philippines: National Capital Region: Manila; Region 6: La Castellana, Negros Occidental; Region 11: Tugbok, Davao; plant associate: *Musa sapientum* L., *Colocasia* sp., anthurium

**\**Chaetanaphothrips* sp.**

*Chaetanaphothrips* sp. Sakimura, 1974: 322. Male (BPBM), Philippines: Manila

Distribution: Philippines: National Capital Region: Manila; plant associate: orchids; remarks: endemic species.

23) Genus *Craspedothrips* zur Strassen

***Craspedothrips minor* (Bagnall)**

*Physothrips minor* Bagnall, 1921: 393. Lectotype female (BMNH), India: Mysore, Maddur

Distribution: Philippines: Region 8: VISCA, Baybay; Region 12: Agko, Mt. Apo; plant associate: *Artocarpus cumingiana* Trec., *Thunbergia fragrans* Roxb., *Mirabilis jalapa* L., *Impatiens balsamina* L., *Ipomoea staphylina* Roem & Schult., *Ricinus communis* L., shrub

24) Genus *Danothrips* Bhatti

**\**Danothrips moundi* Bhatti**

*Danothrips moundi* Bhatti, 1980: 547. Holotype male (BMNH), Philippines: Manila

Distribution: Philippines: National Capital Region: Manila; plant associate: anthurium; remarks: endemic species.

25) Genus *Dendrothripoides* Bagnall

***Dendrothripoides innoxius* (Karny)**

*Euthrips innoxius* Karny, 1914: 356. Holotype female (SMFG), Indonesia: Java

Distribution: Philippines: Region 3: Pantabangan, Nueva Ecija; National Capital Region: Manila, taken in quarantine at Honolulu, USA; Region 4A: Los Baños, Laguna; San Pablo, Laguna; Region 7: Bohol; Region 8: VISCA, Baybay, Leyte; Region 12: South Cotabato; plant associate: *Oryza sativa* L., *Musa sapientum* L., *Lactuca sativa* L., *Bidens pilosa* L., *Dioscorea* sp., *Ipomoea batatas* (L.) Lam., *Ipomoea congesta* Br., *Ipomoea staphylina* Roem. & Schult., *Ipomoea triloba* L., *Ipomoea* sp., *Echinochloa crusgalli* (L.) Beauv.

***Dendrothripoides microchaetus* Okajima**

*Dendrothripoides microchaetus* Okajima, 1987a: 696. Holotype female (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: bush with *Bambusa* sp., grass, dead branches

**\**Dendrothripoides nakaharai* Reyes**

*Dendrothripoides nakaharai* Reyes, 1994: 204. Holotype female (ANIC), female and male paratypes (BMNH), Philippines: Manila, taken in quarantine at Los Angeles, California, USA

Distribution: Philippines: National Capital Region: Manila; plant associate: Labiaceae; remarks: endemic species.

26) Genus *Dichromothrips* Priesner

***Dichromothrips corbetti* (Priesner)**

*Anaphothrips corbetti* Priesner, 1936: 209. Holotype female (SMFG), Malaysia: Kuala Lumpur

Distribution: Philippines: National Capital Region: Manila, taken in quarantine at Honolulu, Hawaii, USA; Region 4A: Los Baños, Laguna; Region 6: Dingle, Iloilo; Jaro, Iloilo; Region 7: Cebu; Mandaue; plant associate: *Cattleya* sp., *Dendrobium* sp., *Miltonia* sp., *Renanthera storiei* Rchb., *Vanda* sp., *Vanda joaquim* Ridley, wild orchid

***Dichromothrips dendrobii* Sakimura**

*Dichromothrips dendrobii* Sakimura, 1955: 590. Holotype female (BPBM), USA: Hawaii

Distribution: Philippines: National Capital Region: Manila, taken in quarantine at Honolulu, Hawaii, and San Francisco, California, USA; plant associate: *Dendrobium superbium* Rchb., *Phalaenopsis amabilis* Blume, *Phalaenopsis aphrodite* Rchb., *Phalaenopsis grandiflora* Lindl., *Phalaenopsis lindenii* Loher., *Phalaenopsis sanderiana* Rchb., *Phalaenopsis schilleriana* Rchb.

***Dichromothrips phalaenopsidis* Sakimura**

*Dichromothrips phalaenopsidis* Sakimura, 1955: 593. Holotype female (BPBM), Philippines: Manila, taken in quarantine at Honolulu, Hawaii, USA

Distribution: Philippines: National Capital Region: Manila, taken in quarantine at Honolulu, Hawaii, and San Francisco, California, USA; Plant Associate: *Phalaenopsis stuartiana* Rchb., *Phalaenopsis schilleriana* Rchb., *Phalaenopsis grandiflora* Lindl., *Phalaenopsis amabilis* Blume., *Phalaenopsis* sp., *Aerides falcatum* Lindl., *Paphiopedium* sp., *Paphiopedium sukhakulii* Choser & Senghas, *Cymbidium* sp., *Renanthera* sp., *Vanda* sp., in light trap

***Dichromothrips semicognitus* Sakimura**

*Dichromothrips semicognitus* Sakimura, 1955: 595. Holotype male (BPBM), Philippines: Manila, taken in quarantine at Honolulu, Hawaii, USA

Distribution: Philippines: National Capital Region: Manila, taken in quarantine at Honolulu, Hawaii, and San Francisco, California, USA; plant associate: orchids, *Phalaenopsis stuartiana* Rchb.

27) Genus *Exothrips* Priesner

***Exothrips sacchari* (Moulton)**

*Anaphothrips sacchari* Moulton, 1936: 265. Holotype female (CASC), Philippines: Victorias, Negros Occidental

Distribution: Philippines: Region 6: Victorias, Negros Occidental; plant associate: *Saccharum officinarum* L., *Carica papaya* L.

28) Genus *Filipinothrips* Reyes

**\**Filipinothrips baltazarae* Reyes**

*Filipinothrips baltazarae* Reyes, 1994: 215. Holotype female (ANIC), Philippines: Mt. Makiling Botanic Garden, Los Baños, Laguna

Distribution: Philippines: Region 4A: Mt. Makiling Botanic Garden, Los Baños, Laguna; Region 8: Bato Creek, Mt. Pangasugan, Leyte; plant associate: flowers of unidentified plant; remarks: endemic species.

29) Genus *Frankliniella* Karny

***Frankliniella intonsa* (Trybom)**

*Thrips intonsa* Trybom, 1895: 182. Syntype (unknown depository), Sweden: Gotland

Distribution: Philippines: Cordillera Administrative Region: La Trinidad, Mt. Province; Region 7: Bohol; plant associate: *Fragaria ananassa* Duchesne, *Oryza sativa* L., on numerous plants

***Frankliniella occidentalis* (Pergande)**

*Euthrips occidentalis* Pergande, 1895: 392. Syntype (USNM), USA: California

*Frankliniella occidentalis* (Pergande): Wang, Lin, Chiu & Shih, 2010: 834.

Distribution: Philippines: National Capital Region: Manila, intercepted on unidentified plant in Taiwan; Remarks: Known as pest of numerous plants abroad.

***Frankliniella schultzei* (Trybom)**

*Physopus schultzei* Trybom, 1910: 151. Syntype (SMFG), South Africa: Luderitzbucht

Distribution: Philippines: Region 1: Batac, Ilocos Norte; Vigan, Ilocos Sur; Sta. Barbara, Pangasinan; Villasis, Pangasinan; Region 4A: Los Baños, Laguna; Region 4B: Brooks Point, Palawan; Region 5: Goa, Camarines Sur; Pili, Camarines Sur; Region 6: Saravia, Negros Occidental; Region 7: Cebu; Region 8: Baybay, Leyte; Samar; Region 12: Mlang, North Cotabato; plant associate: *Oryza sativa* L., *Zea mays* L., *Dendrobium* sp., *Stachytarpheta jamaicensis* (L.) Vahl., *Ipomoea triloba* L.,

*Tagetes erecta* L., *Mimosa pudica* L., *Nicotiana tabacum* L., *Vernonia cinerea* (L.) Less., *Jasminum sambac* (L.) Aiton, *Centella asiatica* (L.) Urb., *Macaranga* sp., *Gossypium* sp., yellow bell

***Frankliniella williamsi* Hood**

*Frankliniella williamsi* Hood, 1915: 19. Holotype female (USNM), USA: Washington, DC

Distribution: Philippines: Region 4A: Los, Baños, Laguna; Calamba; Tanauan, Batangas; Region 6: Canlaon, Negros Occidental; plant associate: *Zea mays* L., *Anacardium occidentale* L., *Asclepias tuberosa* L., *Saccharum officinarum* L., *Sorghum vulgare* L., *Aster* sp., *Panicum* sp.

30) Genus *Fulmekiola* Karny

***Fulmekiola serrata* (Kobus)**

*Thrips serrata* Kobus, 1893: 16. Holotype (unknown depository), Indonesia: Java

*Thrips armatus* Moulton, 1936: 271–272. Holotype male (CASC), Philippines. Synonymized by Palmer, 1992: 7.

*Fulmekiola serrata* (Kobus): Transferred by Priesner, 1938: 29.

Distribution: Philippines: Region 5: Goa, Camarines Sur; Region 6: Victorias, Negros Occidental; La Carlota, Negros Occidental; La Granja, Negros Occidental; Aidsisa, Silay, Negros Occidental; Hacienda Guicay, Manapla, Negros Occidental; Toctoc, Manapla, San Jose, Negros Occidental; Region 12: Agko, Mt. Apo; plant associate: *Cajanus cajan* (L.) Huth., *Nicotiana tabacum* L., *Saccharum officinarum* L., *Saccharum spontaneum* L., *Citrus* sp.

31) Genus *Lefroythrips* Priesner

***Lefroythrips fasciatus* (Moulton)**

*Taeniothrips (Lefroythrips) fasciatus* Moulton, 1940: 250. Holotype female (BPBM), Papua New Guinea: Koitaki

Distribution: Philippines: Region 4B: Aborlan, Palawan; Region 12: Mlang, North Cotabato; plant associate: shrub, *Sandoricum koetjape* (Burm.) Merr.

***Lefroythrips lefroyi* (Bagnall)**

*Physothrips lefroyi* Bagnall, 1913a: 292. Syntypes female, male (BMNH), India: Bengal

*Lefroythrips lefroyi* (Bagnall): Transferred by Priesner, 1938: 469.

Distribution: Philippines: Region 8: Baybay, Leyte; plant associate: Fabaceae, *Camellia sinensis* (L.) Kuntze

32) Genus *Megalurothrips* Bagnall

***Megalurothrips distalis* Karny**

*Taeniothrips distalis* Karny, 1913a: 122. Holotype female (MNH), Germany: Berlin

Distribution: Philippines: Cordillera Administrative Region: La Trinidad, Mt. Province; Wright Park, Baguio; Region 4A: Puting Lupa, Calamba, Laguna; Los Baños, Laguna; Dolores, Quezon; Region 12: Agko, Mt. Apo; plant associate: *Desmodium triflorum* (L.) DC., *Desmodium* sp., *Helianthus annuus* L., *Hibiscus rosasinensis* L., *Cajanus cajan* (L.) Mill., *Coffea* sp., *Dolichos* sp., *Tephrosia* sp., *Canavallia* sp., grass, legumes

***Megalurothrips typicus* Bagnall**

*Megalurothrips typicus* Bagnall, 1915: 590. Holotype female (BMNH), Malaysia: Mt. Matang, Sarawak

Distribution: Philippines: Region 4A: Laguna; Los Baños, Laguna

plant associate: *Mangifera indica* L., *Nicotiana tabacum* L., legume, grass, *Sesbania grandiflora* (L.) Poir, *Luffa cylindrica* (L.) Roem., *Desmodium umbellatum* (L.) DC., *Leucaena glauca* Benth., *Pongamia glabra* Vent., *Tephrosia candida* (Roxb.) DC., *Persea gratissima* L.

***Megalurothrips usitatus* (Bagnall)**

*Physothrips usitatus* Bagnall, 1913a: 293. Holotype female (BMNH), India: Allahabad

Distribution: Philippines; plant associate: *Oryza sativa* L., *Mangifera indica* L., *Saccharum officinarum* L., *Coffea arabica* L., *Solanum tuberosum* L., flowers of legumes, on numerous plants

33) Genus *Microcephalothrips* Bagnall

***Microcephalothrips abdominalis* (Crawford)**

*Thrips abdominalis* Crawford, 1910: 157. Syntypes female (CASC), Mexico: Guadalajara

Distribution: Philippines; plant associate: *Oryza sativa* L., Compositae

34) Genus *Neocorynothrips* Ramakrishna & Margabandhu

***Neocorynothrips asiaticus* Ramakrishna & Margabandhu**

*Neocorynothrips asiaticus* Ramakrishna & Margabandhu, 1939: 22. Syntypes (ZSIK), India.

*Trichromothrips bruncurum* Reyes, 1994: 299. Holotype male (ANIC), Philippines: Bicol Experiment Station, Pili, Camarines Sur. Synonymised by Ng & Mound, 2015: 494.

Distribution: Philippines: Region 5: Pili, Camarines Sur; plant associate: *Ficus* sp.

35) Genus *Plesiothrips* Hood

***Plesiothrips perplexus* (Beach)**

*Sericothrips perplexa* Beach, 1896: 216. Holotype female (unknown depository), USA: Ames, Iowa

Distribution: Philippines: Region 4A: Mt. Makiling Botanic Garden; Los Baños, Laguna; plant associate: *Saccharum officinarum* L., *Camellia sinensis* (L.) Kuntze, grass, Cyperaceae, shrub

36) Genus *Ranjana* Bhatti

***Ranjana cingulata* (Karny)**

*Euthrips cingulatus* Karny, 1913b: 55–58. Lectotype female (SMFG), Indonesia: Moeria Mountains, Java

Distribution: Philippines: Region 4B: Sipit, Saburan, Puerto Gallera, Oriental Mindoro; plant associate: *Planchonia valida* Blume, unidentified tree

37) Genus *Scirtothrips* Shull

***Scirtothrips dobroskyi* Moulton**

*Scirtothrips dobroskyi* Moulton, 1936: 264. Holotype female (CASC), Philippines: Manila

Distribution: Philippines: National Capital Region: Manila; plant associate: *Mangifera indica* L., *Lycopersicon lycopersicum* L., *Lantana camara* L., *Eupatorium riparium* Regel, *Physalis minima* L., *Cissus antarctica* Vent., *Bougainvillea* sp., *Cassytha* sp., *Cuphea* sp., *Pteridium* sp.

***Scirtothrips dorsalis* Hood**

*Scirtothrips dorsalis* Hood, 1919a: 90. Holotype female (USNM), India: Coimbatore

Distribution: Philippines: Region 1: Ilocos Sur; Region 3: Zambales, Bulacan; Region 4A: Los Baños, Laguna; Region 4B: Palawan; Region 5: Pili, Camarines Sur; Region 6: San Carlos, Guimaras; Jordan, Guimaras; Region 11: Davao; plant associate: *Capsicum annum* L., *Mangifera indica* L., *Arachis hypogea* L., *Anacardium occidentale* L., *Dahlia pinnata* Cav., *Diospyros kaki* L., *Ricinus communis* L., *Acacia arabica* (Lam.) Willd., *Caesalpinia pulcherrima* (L.) Sw., *Cassia fistula* L., *Cassia* sp., *Mimosa pudica* L., *Prosopis spicigera* L., *Nicotiana tabacum* L., *Vitis vinifera* L., *Gossypium* sp., *Leucaena* sp., *Macaranga* sp., *Rosa* sp., Araceae, on numerous plants

38) Genus *Stenchaetothrips* Bagnall

***Stenchaetothrips biformis* (Bagnall)**

*Bagnallia biformis* Bagnall, 1913b: 237. Holotype female (BMNH), United Kingdom: West-on-the-Green, England

Distribution: Philippines: Cordillera Administrative Region: Wright Park, Baguio; Region 2: Alicia, Isabela; Region 3: Muñoz, Nueva Ecija; Region 4A: Los Baños, Laguna; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Palawan; Region 6: Iloilo; Aklan; Region 8: Leyte; Samar; Region 13: Agusan del Norte; plant associate: *Oryza sativa* L., *Zea mays* L., *Saccharum officinarum* L., *Rosa* sp.

**\**Stenchaetothrips fuscus* (Moulton)**

*Thrips tusca* Moulton, 1936: 270. Syntypes female, male (CASC), Philippines: Negros Occidental

Distribution: Philippines: Region 6: Negros Occidental; plant associate: *Saccharum officinarum* L.; remarks: endemic species.

***Stenchaetothrips minutus* (Deventer)**

*Thrips minutus* van Deventer, 1906: 276, 281. Holotype female (unknown depository), Indonesia: Java

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Region 6: Aidsisa, Silay, Negros Occidental; Region 9: FORI, La Paz, Zamboanga del Sur; plant associate: *Zea mays* L., *Saccharum officinarum* L., *Saccharum spontaneum* L., *Panicum purpurascens* Reddi, *Panicum barbinode* Trin., *Lantana* sp., *Phragmites* sp.

***Stenchaetothrips spinalis* Reyes**

*Stenchaetothrips spinalis* Reyes, 1994: 263–265. Holotype female (ANIC), Philippines: Sipit Saburan, Puerto Gallera, Oriental Mindoro

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: *Bambusa* sp.

***Stenchaetothrips victoriensis* (Moulton)**

*Thrips victoriensis* Moulton, 1936: 270. Holotype male (CASC), Philippines: Victorias, Negros Occidental

Distribution: Philippines: Region 6: Victorias, Negros Occidental; plant associate: unknown matter

39) Genus *Taeniothrips* Amyot & Serville

**\**Taeniothrips ciliaris* (Reyes)**

*Javathrips ciliaris* Reyes, 1994: 227–229. Holotype female (ANIC), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: *Musa textilis* Nee; remarks: endemic species.

**\**Taeniothrips variegatus* (Reyes)**

*Javathrips variegatus* Reyes, 1994: 227–229. Holotype female (ANIC), Philippines: Sagpangan, Agko, Mt. Apo

Distribution: Philippines: Region 6: La Granja, La Carlota, Negros Occidental; Region 12: Sagpangan, Agko, Mt. Apo; plant associate: *Pouteria campechiana* (Kunth) Baehni, shrub, grass; remarks: endemic species.

40) Genus *Tenothrips* Bhatti

**\**Tenothrips allia* (Moulton)**

*Taeniothrips allia* Moulton, 1936: 267. Holotype female (CASC), Philippines: Manila

Distribution: Philippines: National Capital Region: Manila; plant associate: *Allium cepa* L.; remarks: endemic species.

41) Genus *Thrips* Linnaeus

**\**Thrips alius* Palmer**

*Thrips alius* Palmer, 1992: 19. Holotype female (BMNH), Philippines: TADECO, Davao del Norte

Distribution: Philippines: Region 11: TADECO, Davao del Norte; plant associate: *Musa sapientum* L.; remarks: endemic species.

***Thrips apicatus* Priesner**

*Thrips apicatus* Priesner, 1934: 264. Lectotype female (SMFG), India. Designated by Bhatti, 1980b: 122.

Distribution: Philippines; plant associate: flowers of *Acacia* sp.

***Thrips brevistylus* (Priesner)**

*Taeniothrips brevistylus* Priesner, 1938: 496. Holotype female (SMFG), Indonesia: Java: Tjibodas

Distribution: Philippines: Region 4A: Makiling Botanical Garden, Los Baños, Laguna; Region 4B: Mt. Tabiey, Cabigaan, Palawan; Region 8: Baybay, Leyte; plant associate: *Zea mays* L., *Corymbis veratrifolia* (Reinw.) Rchb., “baston ni San Jose”, unidentified plant

***Thrips coloratus* Schmutz**

*Thrips colorata* Schmutz, 1913: 1013. Syntype female (NMVA), Sri Lanka

Distribution: Philippines; plant associate: flowers of *Macaranga* sp.

***Thrips decens* Palmer**

*Thrips decens* Palmer, 1992: 35. Holotype female (BMNH), Malaysia: Genting Highlands

Distribution: Philippines; plant associate: *Mussaenda mutabilis* L., *Mussaenda* sp.

***Thrips extensicornis* Priesner**

*Thrips extensicornis* Priesner, 1934: 276. Holotype female (SMFG), Indonesia: Java

Distribution: Philippines; plant associate: *Crinum asiaticum* L., *Clerodendron* sp., *Erythrostemon* sp., *Rhodomyrtus* sp.

***Thrips flavus* Schrank**

*Thrips flava* Schrank, 1776: 31. Syntype female (unknown depository), Austria

Distribution: Philippines: Region 6: Concepcion, Cadiz, Negros Occidental; Sta. Margarita, Saravia, Negros Occidental; plant associate: *Stachytarpheta jamaicensis* (L.) Vahl., *Amaranthus spinosus* L., *Melastoma* sp., “Quigar”, on numerous plants

***Thrips florum* Schmutz**

*Thrips florum* Schmutz, 1913: 1003. Syntype female (unknown depository), Sri Lanka: Peradenya

Distribution: Philippines: National Capital Region: Manila, taken in quarantine at Honolulu, Hawaii, USA; plant associate: cut flowers, on numerous plants

***Thrips hawaiiensis* (Morgan)**

*Euthrips hawaiiensis* Morgan, 1913: 3. Lectotype female (USNM), USA: Hawaii. Designated by Nakahara, 1985: 868.

Distribution: Philippines: Luzon, Visayas, Mindanao; plant associate: *Musa sapientum* L., *Psidium guajava* L., *Mangifera indica* L., *Citrus* sp., *Coffea* sp., *Carica papaya* L., *Citrus maxima* Burm., *Solanum tuberosum* L., *Zea mays* L., *Gardenia* sp., *Rosa* sp., on numerous plants

***Thrips javanicus* Priesner**

*Thrips javanicus* Priesner, 1934: 272. Holotype female (SMFG), Indonesia: Java

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Region 5: Pili, Camarines Sur; Region 8: Baybay, Leyte; Region 12: Agko, Mt. Apo; plant associate: *Citrus* sp., *Musa* sp., *Maranta* sp., Rubiaceae, *Saccharum officinarum* L., *Morinda citrifolia* L., *Paederia foetida* Linn.

***Thrips longicaudatus* (Bianchi)**

*Taeniothrips longicaudatus* Bianchi, 1953: 94. Holotype female (BPBM), Samoa: Afiamalu, Upolu

Distribution: Philippines: Region 4A: Los Baños, Laguna; plant associate: *Citrus* sp.

***Thrips malloti* (Priesner)**

*Thrips (Isoneurothrips) malloti* Priesner, 1934: 269. Holotype female (SMFG), Indonesia: Java

Distribution: Philippines: Region 1: Batac, Ilocos Norte; Region 4A: Los Baños, Laguna; Region 5: Goa, Camarines Sur; Region 8: Baybay, Leyte; Region 12: Agko, Mt. Apo; Mlang, North Cotabato; plant associate: *Zea mays* L., *Rosa* sp., *Citrus* sp., *Gardenia* sp., *Lantana* sp., *Cajanus cajan* (L.) Millsp., *Ervatamia pandacaqui* Pichon, *Premna integrifolia* Linn., *Plumiera acutifolia* Poir., *Helianthus annuus* L., *Nelumbium speciosum* Willd., *Clerodendrum fragrans* Willd., *Beaumontia multiflora* Teijsm. & Binn., *Artocarpus cumingiana* Trecul

***Thrips melastomae* Priesner**

*Thrips melastomae* Priesner, 1934: 262. Lectotype female (SMFG), Indonesia: Java. Designated by Bhatti, 1978a.

Distribution: Philippines; plant associate: *Melastoma* sp.

***Thrips nigropilosus* Uzel**

*Thrips nigropilosa* Uzel, 1895: 198. Syntypes female, male (NMVA), Czechoslovakia: Bohemia

Distribution: Philippines: Region 4A: Puting Lupa, Calamba, Laguna; Region 8: Baybay, Leyte; plant

associate: African daisy, *Chrysanthemum* sp., *Cajanus cajan* (L.) Millsp., Compositae

***Thrips orientalis* (Bagnall)**

*Isoneurothrips orientalis* Bagnall, 1915: 593. Lectotype female (BMNH), Malaysia: Sarawak. Designated by Sakimura, 1967: 432

Distribution: Philippines: Region 4A: Los Baños, Laguna; Region 4B: Brooks Point, Palawan; Region 5: Pili, Camarines Sur; Region 8: Mt. Pangasugan, Baybay, Leyte; Region 9: Pasonanca Park, Zamboanga del Sur; Region 12: Mlang, North Cotabato; plant associate: *Morinda tinctoria* Roxb., *Jasminum sambac* (L.) Aiton, *Jasminum* sp., *Gardenia* sp., *Canthium* sp., *Plumiera* sp., “manban”

**\**Thrips palmerae* Reyes**

*Thrips palmerae* Reyes, 1994: 283. Holotype female (ANIC), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: unidentified plant; remarks: endemic species.

***Thrips palmi* Karny**

*Thrips palmi* Karny, 1925a: 10–15. Lectotype female (SMFG), Indonesia: Sumatra

Distribution: Philippines: Region 1: Batac, Ilocos Norte; Bacnotan, La Union; Region 3: Muñoz, Nueva Ecija; San Antonio, Nueva Ecija; National Capital Region: Manila, taken in quarantine at Seattle, Washington, USA; Region 4A: Los Baños, Laguna; Canlubang, Laguna; Sta. Lucia, Mt. Banahaw, Quezon; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Region 6: Piña, Guimaras; Region 8: VISCA, Baybay, Leyte; Region 10: Musuan, Bukidnon; Malaybalay, Bukidnon; Region 11: Davao Experiment Station, Bago Oshiro, Davao; TADECO, Davao del Norte; Region 12: Mlang, North Cotabato; Bagontapay, Mlang, North Cotabato; Bagumbayan, Sultan Kudarat; plant associate: *Citrullus vulgaris* L., *Citrullus* sp., *Gossypium hirsutum* L., *Solanum melongena* L., *Solanum tuberosum* L., *Lycopersicon lycopersicum* L., *Capsicum annuum* L., *Luffa cylindrica* (L.) Roem., *Vigna sinensis* L., *Cucurbita maxima* L., *Morus alba* L., *Hibiscus rosa-sinensis* L., *Amaranthus spinosus* L., *Chrysanthemum* sp., *Lantana* sp.,

***Thrips parvispinus* (Karny)**

*Isoneurothrips parvispinus* Karny, 1922: 106. Syntypes female, male (SMFG), Thailand: Bangkok

Distribution: Philippines: Region 4A: Los Baños, Laguna; Region 4B: Aborlan, Palawan; plant associate: *Citrullus vulgaris* L., *Allamanda cathartica* L., *Impatiens balsamina* L., *Ipomoea brasiliensis* (L.) Ooststr., *Trichosanthes tricuspidate* Lour., *Bauhinia tomentosa* L., *Crotalaria saltiana* Andrews, *Nicotiana tabacum* L., *Capsicum annuum* L., *Capsicum* sp., *Coffea* sp., *Petroselinum* sp.,

*Carica* sp., *Citrus* sp., *Cucumis* sp., *Datura* sp., *Hibiscus* sp., *Solanum* sp. *Vigna* sp., *Gardenia* sp.

***Thrips simplex* (Morison)**

*Physothrips simplex* Morison, 1930: 12–13. Holotype female (BMNH), Australia: Urrbrae, South Australia

Distribution: Philippines: Cordillera Administrative Region: Wright Park, Baguio; Baguio; MSAC, La Trinidad, Mt. Province; Region 4A: IRRRI, Los Baños, Laguna; UPLB, Los Baños, Laguna; Region 12: Mt. Apo; plant associate: *Gladiolus hybridus* L., *Gladiolus* sp., *Sechium edule* (Jacq.) Swartz., *Hibiscus rosa-sinensis* L., *Crinum asiaticum* L., *Plumeria acutifolia* Poir., *Helianthus annuus* L., iridaceous plants, African daisy, *Ficus* sp., *Zantedeschia* sp.

***Thrips subnudula* (Karny)**

*Ramaswamihiella subnudula* Karny, 1926: 208. Syntypes female, male (SMFG), India

Distribution: Philippines: Region 4A: Los Baños, Laguna; Region 12: Kabacan, North Cotabato; Malungon, South Cotabato; plant associate: *Mangifera indica* L., *Phaseolus vulgaris* L., *Amaranthus spinosus* L., *Caesalpinia pulcherrima* (L.) Sw., *Dolichos lablab* L., *Glycine max* (L.) Merr., *Tamarindus indica* L., *Hibiscus rosa-sinensis* L., *Moringa oleifera* L., *Sesamum indicum* L., *Illecebrum lanatum* (L.) Murr., *Citrus medica* L., *Amaranthus spinosus* L., *Citrus* sp., *Lantana* sp., *Calotropis* sp., *Persea* sp., birds of paradise

***Thrips sumatrensis* Priesner**

*Thrips sumatrensis* Priesner, 1934: 254. Holotype female (SMFG), Indonesia: Sumatra

Distribution: Philippines: Region 1: Batac, Ilocos Norte; National Capital Region: Manila, taken in quarantine at Seattle, Washington; Anchorage, Alaska; San Francisco, California; Honolulu, Hawaii, USA; Region 4B: Aborlan, Palawan; Mt. Tabiey, Cabigaan, Palawan; Region 8: Baybay, Leyte; Region 12: Agko, Mt. Apo; Mlang, North Cotabato; Malungon, South Cotabato; plant associate: *Oryza sativa* L., *Mangifera indica* L., *Artocarpus cumingiana* Trecul, *Areca catechu* Linn., *Sesbania grandiflora* (L.) Pers., *Solanum melongena* L., *Canna* sp., *Cannavalia* sp., *Dahlia* sp., *Gliricidia* sp., *Jasminum* sp.

***Thrips tabaci* Lindeman**

*Thrips tabaci* Lindeman, 1889: 61. Syntypes female, male (unknown depository), USSR: Bessarabia

Distribution: Philippines: Region 1: Batac, Ilocos Norte; Region 2: Batanes; Region 10: Mt. Malindang, Misamis Occidental; Region 11: Davao; plant associate: *Allium sativum* L., *Allium cepa* L., *Nicotiana tabacum* L., *Gossypium* sp., Cruciferae, Cucurbitaceae, in trap

***Thrips vitticornis* (Karny)**

*Physothrips vitticornis* Karny, 1922: 103. Lectotype female (SMFG), Thailand. Designated by Bhatti, 1980b: 161.

Distribution: Philippines: National Capital Region: Manila, taken in quarantine at Seattle, Washington, USA; Region 4B: PNAC, Aborlan, Palawan; BFD, Brooks Point, Palawan; plant associate: *Chromolaena odorata* (L.) King. & Rob., *Canavalia ensiformis* (L.) DC., *Canavalia obtusifolia* DC., *Canavalia lineata* (L.) DC., *Cassia occidentalis* L., *Desmodium umbellatum* (L.) Benth., *Derris uliginosa* (Willd.) Benth., *Pongamia glabra* Vent., *Pongamia* sp., *Barringtonia racemosa* (L.) Spreng., *Melastoma malabathricum* (L.) Smith., *Chromolaena odorata* (L.) King. & Rob., *Tithonia diversifolia* (Hemsl.) Gray, Papilionaceae, legumes

***Thrips wedeliae* Priesner**

*Thrips (Isoneurothrips) sumatrensis* var *wedeliae* Priesner, 1934: 257. Syntype female (SMFG), Indonesia: Java.

Distribution: Philippines; plant associate: Compositae

42) Genus *Trichomothrips* Priesner

**\**Trichomothrips pulchellus* (Moulton)**

*Taeniothrips pulchella* Moulton, 1936: 268. Holotype female (CASC), Philippines: Victorias, Negros Occidental

*Trichomothrips pulchellus* (Moulton): Transferred by Masumoto & Okajima, 2005: 127.

Distribution: Philippines: Region 6: Victorias, Negros Occidental; plant associate: *Gossypium brasiliense* Macfad.; remarks: endemic species

**\**Trichomothrips* sp.**

*Trichomothrips* sp. Sabado, Calilung & Reyes, 1995: 343. Female (NMNH), Philippines

Distribution: Philippines: Region 4A: Los Baños, Laguna; Region 5: Daraga, Albay; Region 6: Victorias, Negros Occidental; Pavia, Iloilo; Region 9: Labangan, Zamboanga del Sur; Region 11: Bago-Oshiro, Davao; plant associate: *Anthurium* sp.; remarks: endemic species.

43) Genus *Tusothrips* Bhatti

***Tusothrips teinostomus* Okajima**

*Tusothrips teinostomus* Okajima, 1990: 73. Holotype (TUAJ), Thailand

*Tusothrips atrichotus* Reyes, 1994: 302. Holotype female (ANIC), Philippines: Baybay, Leyte (examined). Synonymised by Mound and Tree, 2011: 47.

Distribution: Philippines: Region 8: Baybay, Leyte; plant associate: *Stachytarpheta* sp.

**\**Tusothrips immaculatus* Reyes**

*Tusothrips immaculatus* Reyes, 1994: 304. Holotype female (ANIC), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12; Agko, Mt. Apo; plant associate: *Hibiscus rosa-sinensis* L.; remarks: endemic species.

***Tusothrips setiprivus* (Karny)**

*Mycterothrips setiprivus* Karny, 1926: 200. Holotype female (SMFG), India: Coimbatore, Tamil Nadu

Distribution: Philippines: National Capital Region: Manila, taken in quarantine at Los Angeles, California, USA; Region 4A: Mt. Makiling Rainforest, Laguna; plant associate: *Amaranthus caudatus* L., young shoot of legume, in litter

***Tusothrips sumatrensis* (Karny)**

*Anaphothrips sumatrensis* Karny, 1925b: 27. Lectotype female (SMFG), Indonesia: Sumatra

Distribution: Philippines: Region 4A: Manila; Los Baños, Laguna; plant associate: *Lycopersicon lycopersicum* L., *Vigna sinensis* L., *Solanum torvum* L.

SUBORDER TUBULIFERA HALIDAY  
FAMILY PHLAETHRIPIDAE HALIDAY  
SUBFAMILY IDOLOTHRIPINAE BAGNALL

1) Genus *Compsothrips* Reuter

***Compsothrips tenebronus* (Han & Cui)**

*Ophthalmothrips tenebronus* Han & Cui, 1991: 3. Holotype female (ASBC), China: Jinhe, Yanyuan, Szechuan

*Compsothrips furvus* Reyes, 1994: 312. Holotype female (ANIC), female paratype (BMNH). Synonymised by Dang, Mound & Qiao, 2013: 657.

Distribution: Philippines: Region 3; Pantabangan, Nueva Ecija; plant associate: *Imperata cylindrica* (L.) Beauv., *Uraría lagopodoides* (L.) DC.

2) Genus *Diaphorothrips* Karny

***Diaphorothrips hamipes* Karny**

*Diaphorothrips hamipes* Karny, 1923: 296. Syntype female (SMFG), Indonesia: Java

Distribution: Philippines: Region 12: Los Baños, Laguna; plant associate: dead branches, wood pile

3) Genus *Dinothrips* Bagnall

**\**Dinothrips monodon* Karny**

*Dinothrips monodon* Karny, 1920a: 204. Holotype male (SMFG), Philippines: Butuan

Distribution: Philippines: Region 4B: San Jose, Occidental Mindoro; Region 13: Butuan; plant associate: bark of fallen tree; remarks: endemic species.

***Dinothrips spinosus* (Schmutz)**

*Ischyrothrips spinosus* Schmutz, 1913: 1078. Holotype female (NMVA), Sri Lanka

Distribution: Philippines: Region 4A: Los Baños, Laguna; Mudspring, Mt. Makiling, Laguna; Region 4B: San Jose, Occidental Mindoro; PNAC, Aborlan, Palawan; Mt. Tabiey, Cabigaan, Palawan; Region 6: Victorias, Negros Occidental; Region 9: Anuling, Pamocotan, Zamboanga del Sur; Region 13: Butuan; plant associate: bark of fallen unidentified tree, surface of bark of cut logs, woodpile, *Saccharum officinarum* L., *Mallotus philippinensis* Muell., *Albizia* sp., *Leucaena* sp.

4) Genus *Elaphrothrips* Buffa

***Elaphrothrips bakeri* (Karny)**

*Dicaiothrips bakeri* Karny, 1920a: 206. Holotype male (SMFG), Philippines: Puerto Princesa, Palawan

Distribution: Philippines: Region 4B: Puerto Princesa, Palawan; Aborlan, Palawan; Region 13: PICOP, Bislig, Surigao; plant associate: *Leucaena leucocephala* (Lam.) de Wit, *Hevea* sp., *Cassia alata* L., unidentified matter

***Elaphrothrips denticollis* (Bagnall)**

*Dicaiothrips denticollis* Bagnall, 1909: 527. Holotype female (BMNH), Indonesia: Nias

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Region 12: Ilomavis, Kidapawan, North Cotabato; plant associate: leaves of *Manihot* sp., dead and fresh leaves of bushes, *Citrus* sp.

**\**Elaphrothrips philippinensis* Okajima**

*Elaphrothrips philippinensis* Okajima, 1989b: 688. Holotype male (TUAJ), Philippines: Ilomavis, Kidapawan, North Cotabato

Distribution: Philippines: Region 12: Ilomavis, Kidapawan, North Cotabato

plant associate: on dead leaves; remarks: endemic species.

5) Genus *Ethirothrips* Karny

***Ethirothrips stenomelas* (Walker)**

*Phlaeothrips stenomelas* Walker, 1859: 217. Holotype female (BMNH), Sri Lanka

Distribution: Philippines: Region 4A: Los Baños, Laguna; Region 4B: North Palawan; Region 6: Victorias, Negros Occidental; Region 9: Pagadian; Anuling Pamocotan, Zamboanga del Sur; Region 12: Ilomavis, Kidapawan, North Cotabato; Agko, Mt. Apo; plant associate: *Zea mays* L., *Cocos nucifera* L., *Imperata cylindrica* (L.) Beauv., *Hevea* sp., cut logs, wood pile



6) Genus *Gastrothrips* Hood

***Gastrothrips acutulus* Okajima**

*Gastrothrips acutulus* Okajima, 1979: 511. Holotype female (TUAJ), Japan: Honshu

Distribution: Philippines; plant associate: unknown

7) Genus *Machatothrips* Bagnall

***Machatothrips antennatus* (Bagnall)**

*Adiaphorothrips antennatus* Bagnall, 1915: 588. Lectotype female (BMNH), Malaysia: Sarawak, Borneo

Distribution: Philippines: Region 9: Anuling, Pamocotan, Zamboanga del Sur; plant associate: bark of dead tree, *Dialium wallichii* Prain., herb

***Machatothrips artocarpi* Moulton, 1928**

*Machatothrips artocarpi* Moulton, 1928: 322. Holotype female (CASC), Taiwan

Distribution: Philippines: Region 4A: Laguna; Bo. Cale, Tanauan, Batangas; Region 6: Negros Occidental; plant associate: *Carica papaya* L., *Cocos nucifera* L., *Areca macrocalyx* (Zipp. ex Blume.) Rumphia, *Hiritiera littoralis* Aiton, *Artocarpus* sp., *Corchorus* sp.

8) Genus *Mecynothrips* Bagnall

***Mecynothrips simplex* Bagnall, 1912**

*Mecynothrips simplex* Bagnall, 1912: 216. Holotype male (BMNH), Philippines

Distribution: Philippines: Luzon; plant associate: *Areca catechu* L., *Mangifera* sp., *Hevea* sp., *Musa* sp., *Areca* sp., bush, sandal, unidentified tree

9) Genus *Meiothrips* Priesner

***Meiothrips menoni* Ananthakrishnan**

*Meiothrips menoni* Ananthakrishnan, 1964a: 99. Holotype female (unknown depository), India: Trichur

Distribution: Philippines: Region 8: Agroforestry area, VISCA, Baybay, Leyte; Region 12: Agko, Mt. Apo; plant associate: *Musa* sp., *Mangifera* sp., unidentified tree, in Malaise trap

10) Genus *Neatractothrips* Mound & Palmer

***Neatractothrips macrurus* (Okajima)**

*Atractothrips macrurus* Okajima, 1975: 13-19. Holotype female (TUAJ), Japan: Mt. Maeshi-dake, Ishigaki, Ryukyu.

Distribution: Philippines: Region 4A: Quezon National Park plant associate: dead leaves of wild Palmaceae, dead fern

11) Genus *Nesothrips* Kirkaldy

***Nesothrips brevicollis* (Bagnall)**

*Oedemothrips brevicollis* Bagnall, 1914a: 22. Holotype female (BMNH), Japan: Okinawa, Luchu Island

Distribution: Philippines: Region 8: VISCA, Baybay, Leyte; Region 12: Agko, Mt. Apo, North Cotabato; plant associate: flowers of *Nerium oleander* L., *Pluchea indica* (L.) Less., *Pluchea odorata* (L.) Cass., *Cyperus rotundus* L., *Desmanthus virgatus* (L.) Willd., *Leucaena leucocephala* (Lam.) de Wit., *Pipturus albidus* (Hook. & Arn.) Gray, *Prosopis pallida* L., *Morus nigra* L., *Cynodon dactylon* (L.) Pers., *Nicotiana tabacum* L., *Ananas* sp., *Bidens* sp., *Rosa* sp., *Lantana* sp., flowers of “everlasting”, grass

***Nesothrips lativentris* (Karny)**

*Rhaebothrips lativentris* Karny, 1913c: 129. Syntypes (unknown depository), Taiwan: Anping

Distribution: Philippines: Region 3: Nueva Ecija; Region 4A: Los Baños, Laguna; Manggahan, Dolores, Quezon; Puting Lupa, Calamba; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Palawan; Region 6: Victorias, Negros Occidental; Region 7: Magsaysay, Talibon, Bohol; Region 8: VISCA, Baybay, Leyte; plant associate: *Oryza sativa* L., *Abelmoschus esculentus* (L.), *Glycine max* Moench., *Leucaena leucocephala* (Lam.) de Wit., dead stems of *Carica papaya* L., *Ricinus communis* L., sweep grass, leaves of *Manihot* sp., dry pods of *Hibiscus* sp., “dalopang”

***Nesothrips malaccae* Mound**

*Nesothrips malaccae* Mound, 1974: 164. Holotype female (BMNH), Malaysia: Kuala Lumpur

Distribution: Philippines: Region 4A: Quezon National Park; Region 12: Agko, Mt. Apo; plant associate: Palmaceae

12) Genus *Paractinothrips* Mound & Palmer

***Paractinothrips peratus* Mound & Palmer**

*Paractinothrips peratus* Mound & Palmer, 1983: 86. Holotype male (BMNH), Malaysia: Kuala Lumpur

Distribution: Philippines: Region 4A: Quezon National Park; plant associate: dead leaves of palm, dead leaves of wild Palmaceae

13) Genus *Peltariothrips* Mound & Palmer

***Peltariothrips insolitus* Mound & Palmer**

*Peltariothrips insolitus* Mound & Palmer, 1983: 60. Holotype female (BMNH), Singapore

Distribution: Philippines: Region 4A: Quezon National Park; Region 12: Agko, Mt. Apo; plant associate: sheath of *Areca* sp., dead leaves of Palmaceae

14) Genus *Tarassothrips* Mound & Palmer

***Tarassothrips akritus* Mound & Palmer**

*Tarassothrips akritus* Mound & Palmer, 1983: 61. Holotype male (BMNH), Malaysia: Buklanyan

Distribution: Philippines: Region 4A: Quezon National Park; plant associate: dead branches, dead twigs of palm

**\**Tarassothrips grandis* Okajima**

*Tarassothrips grandis* Okajima, 1990: 12–15. Holotype female (TUAJ), Philippines: Quezon National Forest Park

Distribution: Philippines: Region 4A: Quezon National Forest Park; plant associate: dead leaves of Palmaceae; remarks: endemic species.

SUBFAMILY PHLAEOTHRIPINAE  
KARNY

15) Genus *Adelphothrips* Priesner

**\**Adelphothrips longisetosus* Reyes**

*Adelphothrips longisetosus* Reyes, 1994: 348. Holotype female (ANIC), Philippines: Mudspring, Mt. Makiling, Laguna

Distribution: Philippines: Region 4A: Mt. Makiling, Laguna

plant associate: curled leaf of Lauraceae, unidentified tree; remarks: endemic species.

**\**Adelphothrips ignotus* (Reyes)**

*Mesothrips ignotus* Reyes, 1994: 449. Holotype male (ANIC), Philippines: Sipit Saburan, Puerto Gallera, Oriental Mindoro

*Adelphothrips ignotus* (Reyes): Transferred by Dang, Mound & Qiao, 2013: 15.

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: leaf of unidentified vine; remarks: endemic species.

***Adelphothrips vernoniae* Priesner**

*Adelphothrips vernoniae* Priesner, 1953: 376. Syntype female (SMFG), Indonesia: Java

*Adelphothrips vernoniae* Priesner: Dang, Mound & Qiao, 2013: 15.

Distribution: Philippines: Region 9: Anuling, Pamocotan, Zamboanga del Sur; Region 10: Mt. Kitanglad, Bukidnon; plant associate: *Vernonia arborea* Buch., *Alphitonia* sp., *Macaranga* sp.,

16) Genus *Adraneothrips* Hood

**\**Adraneothrips makilingensis* (Reyes)**

*Apelaunothrips makilingensis* Reyes, 1994: 362. Holotype female (ANIC), female and male paratypes (BMNH), Mt. Makiling Rainforest, Laguna

*Adraneothrips makilingensis* (Reyes): Transferred by Dang, Mound & Qiao, 2013: 15.

Distribution: Philippines: Region 4A: Mt. Makiling Rainforest, Laguna; plant associate: leaf litter; remarks: endemic species.

17) Genus *Ananthakrishnana* Bhatti

***Ananthakrishnana euphorbiae* (Priesner)**

*Haplothrips euphorbiae* Priesner, 1931: 1. Holotype female (SMFG), Indonesia: Sumatra

Distribution: Philippines: Region 7: Bohol; Region 8: Baybay, Leyte; plant associate: *Oryza sativa* L., grass, *Euphorbia hirta* L., *Euphorbia* sp.,

18) Genus *Androthrips* Karny

**\**Androthrips kurosawai* Priesner**

*Androthrips kurosawai* Priesner, 1940: 407. Holotype female (SMFG), Philippines: Los Baños, Laguna

Distribution: Philippines: Region 4A: Los Baños, Laguna; Mudspring, Mt. Makiling; Region 6: Mambucal, Negros Occidental; Murcia, Negros Occidental; La Granja, Negros Occidental; La Carlota, Negros Occidental; Region 9: Anuling, Pamocotan, Zamboanga del Sur; plant associate: *Panicum maximum* Jacq., leaves of *Ficus* sp., curled leaf of Lauraceae, in sweep samples, unidentified plant; remarks: endemic species.

19) Genus *Apelaunothrips* Karny

**\**Apelaunothrips cephalicus* Okajima**

*Apelaunothrips cephalicus* Okajima, 1984: 719. Holotype male (TUAJ), Philippines: Bicol National Park

Distribution: Philippines: Region 5: Bicol National Park; plant associate: dead leaves; remarks: endemic species.

**\**Apelaunothrips fasciatus* Okajima**

*Apelaunothrips fasciatus* Okajima, 1984: 720. Holotype female (TUAJ), Philippines: Bicol National Park.

Distribution: Philippines: Region 4A: Quezon National Park; Region 5: Bicol National Park; plant associate: dead leaves; remarks: endemic species.

**\**Apelaunothrips flavicornis* Okajima**

*Apelaunothrips flavicornis* Okajima, 1984: 722. Holotype female (TUAJ), Philippines: Agko, Mt. Apo.

Distribution: Philippines: Region 8: Baybay, Leyte; Region 12: Agko, Mt. Apo; Ilomavis, Kidapawan, North Cotabato; plant associate: *Musa* sp., half-dead grass; remarks: endemic species.

***Apelaunothrips madrasensis* (Ananthakrishnan)**

*Malacothrips madrasensis* Ananthakrishnan, 1964b: 109. Syntypes (LCMI), India: Madras

Distribution: Philippines: Region 12: Ilomavis, Kidapawan, North Cotabato; plant associate: decaying twigs and other vegetation, in leaf litter

**\**Apelaunothrips marginalis* Okajima**

*Apelaunothrips marginalis* Okajima, 1984: 723. Holotype female (TUAJ), Philippines: Ilomavis, Kidapawan, North Cotabato.

Distribution: Philippines: Region 5: Bicol National Park; Region 12: Ilomavis, Kidapawan, North Cotabato; plant associate: dead leaves and branches; remarks: endemic species.

**\**Apelaunothrips medioflavus* (Karny)**

*Ophidothrips medioflavus* Karny, 1925a: 50. Holotype female (SMFG), Indonesia: Binjeng Estate, Sumatra

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead fern, dead leaves of evergreen trees, dead branches

**\**Apelaunothrips philippinensis* Okajima**

*Apelaunothrips philippinensis* Okajima, 1984: 724. Holotype female (TUAJ), Philippines: Bicol National Park.

Distribution: Philippines: Region 5: Bicol National Park; plant associate: dead leaves; remarks: endemic species.

**\**Apelaunothrips rostratus* Okajima**

*Apelaunothrips rostratus* Okajima, 1984: 727. Holotype male (TUAJ), Philippines: Agko, Mt. Apo.

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves; remarks: endemic species.

**\**Apelaunothrips simpliceps* Okajima**

*Apelaunothrips simpliceps* Okajima, 1984: 727. Holotype female (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves of evergreen tree; remarks: endemic species.

**\**Apelaunothrips* sp. 1**

*Apelaunothrips* sp. 1 Okajima, 1984: 728. Female, Male (TUAJ), Philippines.

Distribution: Philippines: Region 4A: Quezon National Park; Region 5: Bicol National Park; Region 12: Ilomavis, Kidapawan, North Cotabato; Agko, Mt. Apo; remarks: endemic species.

**\**Apelaunothrips* sp. 2**

*Apelaunothrips* sp. 2 Okajima, 1984: 728. Female, Male (TUAJ), Philippines.

Distribution: Philippines: Region 4B; Quezon Forest Park; Region 5: Bicol National Park; Region 12: Ilomavis, Kidapawan, North Cotabato; remarks: endemic species.

20) Genus *Azaleothrips* Ananthakrishnan

**\**Azaleothrips apoensis* Okajima & Masumoto**

*Azaleothrips apoensis* Okajima & Masumoto, 2014: 307. Holotype (TUAJ), Philippines: Mt. Apo

Distribution: Philippines: Region 12: Mt. Apo; plant associate: dead leaves; remarks: endemic species.

**\**Azaleothrips bifidius* Okajima & Masumoto**

*Azaleothrips bifidius* Okajima & Masumoto, 2014: 312. Holotype (TUAJ), Philippines: Luzon

Distribution: Philippines: Luzon; plant associate: dead leaves; remarks: endemic species.

**\**Azaleothrips luzonicus* Okajima & Masumoto**

*Azaleothrips luzonicus* Okajima & Masumoto, 2014: 327. Holotype (TUAJ), Philippines: Luzon

Distribution: Philippines: Luzon; plant associate: dead branches; remarks: endemic species.

**\**Azaleothrips mindanaoensis* Okajima & Masumoto**

*Azaleothrips mindanaoensis* Okajima & Masumoto, 2014: 330. Holotype (TUAJ), Philippines: Mindanao

Distribution: Philippines: Mindanao; plant associate: dead leaves; remarks: endemic species.

**\**Azaleothrips philippinensis* Okajima & Masumoto**

*Azaleothrips philippinensis* Okajima & Masumoto, 2014: 325. Holotype (TUAJ), Philippines: Luzon

Distribution: Philippines: Luzon; plant associate: dead leaves; remarks: endemic species.

21) Genus *Bamboosiella* Ananthakrishnan

***Bamboosiella cingulata* (Hood)**

*Zygothrips cingulata* Hood, 1919b: 80. Holotype female (USNM), Australia: Nelson North Queensland

Distribution: Philippines: Region 3: Villarica, Pantabangan, Nueva Ecija; Region 4A: Los Baños, Laguna; Region 4B: Oriental Mindoro; Palawan; Region 5: Camarines Sur; Region 6: La Granja, Negros Occidental; La Carlota, Negros Occidental; Iloilo; Aklan; Region 7: Bohol; Region 8: Leyte; Samar; Region 12: North Cotabato; South Cotabato; Region 13: Agusan del Norte; plant associate: *Oryza sativa* L., *Musa* sp., *Emilia sonchifolia* (L.) DC., *Emilia sagittata* (Vahl.) DC., *Cyperus rotundus* L., *Panicum barbinode* Trin., sweep grass, in litter, in wind trap

***Bamboosiella varia* (Ananthakrishnan & Jagadish)**

*Xylaplothrips varius* Ananthakrishnan & Jagadish, 1969: 132. Holotype female (LCMI), India.

Distribution: Philippines: Region 12: Ilomavis, North Cotabato; plant associate: *Bambusa* sp., *Areca* sp., dry grass, dead leaves of plant, dry fern

22) Genus *Bradythrips* Hood & Williams

**\**Bradythrips philippinensis* Okajima**

*Bradythrips philippinensis* Okajima, 1982: 51. Holotype female (TUAJ), Philippines: Bicol National Park.

Distribution: Philippines: Region 5: Bicol National Park; Region 12; Agko, Mt. Apo; plant associate: dead leaves; remarks: endemic species.

23) Genus *Deplorothrips* Mound & Walker

**\**Deplorothrips similis* Okajima**

*Deplorothrips similis* Okajima, 1989a: 254. Holotype female (TUAJ), Philippines: Luzon

Distribution: Philippines: Luzon; plant associate: dead branches; remarks: endemic species.

24) Genus *Dolichothrips* Karny

***Dolichothrips assimilis* Priesner & Seshadri**

*Dolichothrips assimilis* Priesner & Seshadri, 1952: 405. Syntype female (SMFG), India: Valparai, South India

Distribution: Philippines: National Capital Region: Bicutan, Taguig; plant associate: *Macaranga indica* L., unidentified tree

**\**Dolichothrips crassusensus* Reyes**

*Dolichothrips crassusensus* Reyes, 1994: 376. Holotype female (ANIC), Philippines: Mt. Mayon, Albay

Distribution: Philippines: Region 5: Mt. Mayon near rest house, Albay; plant associate: tree fern; remarks: endemic species.

***Dolichothrips longicollis* Karny**

*Dolichothrips longicollis* Karny, 1912: 299-301. Syntypes female, male (SMFG), Indonesia: Java: Semarang

Distribution: Philippines: Region 4B: Saggangan, Aborlan, Palawan; plant associate: flowers and leaf galls of *Macaranga* sp., *Macaranga tanarius* L., leaf sheaths of unidentified plant

***Dolichothrips macarangai* (Moulton)**

*Neoheegeria macarangai* Moulton, 1928: 319. Holotype female (CASC), Taiwan: Taihoku

Distribution: Philippines: Region 5: Bicol Experiment Station, Pili, Camarines Sur; Region 9: Anuling Pamocotan, Zamboanga del Sur; plant associate: *Macaranga* sp., *Macaranga tanarius* L., *Polyalthia longifolia* Sonn.

***Dolichothrips indicus* (Hood)**

*Neoheegeria indica* Hood, 1919a: 96. Holotype female, (USNM), India

Distribution: Philippines: Region 4A: National Botanical Garden, Real, Quezon; Region 8: VISCA, Baybay, Leyte; Region 12: Agko, Mt. Apo; plant associate: *Ficus minahasse* (Teijsm. & de Vriese) Miq., shoots of *Ailanthus excelsa* Roxb., *Diospyros discolor* Willd., young leaves of *Melastoma marianum* Naudin., *Melastoma malabathricum* (L.) Smith., *Melastoma* sp., *Sarcocephalus* sp., leaf sheath of *Cyperus* sp., bud of *Ficus* sp.

***Dolichothrips reuteri* (Karny)**

*Liothrips reuteri* Karny, 1920b: 40. Holotype female (NRSS), Sweden: Stockholm

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: *Citrus* sp., *Cyperus* sp., *Melastoma* sp., *Sarcophelus* sp., *Euphorbia* sp., *Hibiscus* sp., *Ficus* sp., *Ficus minahasse* Miq., *Diospyros discolor* Willd., *Hibiscus tiliaceus* L., *Antidesma ghaesembilla* Gaertn.

25) Genus *Ecacanthothrips* Bagnall

**\**Ecacanthothrips claricornis* Okajima**

*Ecacanthothrips claricornis* Okajima, 1983a: 57. Holotype male (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 4A: Quezon National Forest Park; Region 5: Bicol National Park; Region 12: Agko, Mt. Apo; Ilomavis, Kidapawan, North Cotabato; plant associate: dead leaves and branches; remarks: endemic species.

**\**Ecacanthothrips tenuicornis* Okajima**

*Ecacanthothrips tenuicornis* Okajima, 1983a: 63. Holotype female (TUAJ), Philippines: Quezon National Park

Distribution: Philippines: Region 4A: Quezon National Park; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Region 5: Bicol National Park; Region 12: Agko, Mt. Apo; plant associate: *Bambusa* sp., dead leaves of evergreen trees; remarks: endemic species.

***Ecacanthothrips tibialis* (Ashmead)**

*Idolothrips tibialis* Ashmead, 1905: 20. Holotype female (USNM), Philippines: Manila

Distribution: Philippines: National Capital Region: Manila, in quarantine at Seattle, Washington, USA; Region 4A: Los Baños, Laguna; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Region 5: Mt. Mayon, Albay; Region 6: Victorias, Negros Occidental; Arevalo, Iloilo; Region 8: Mt. Pangasugan, Leyte; Baybay, Leyte; Region 9: La Paz, Zamboanga del Sur; Region 12: Agko, Mt. Apo; plant associate: *Oryza sativa* L., sheaths of *Cocos nucifera* L., dry stem of *Carica papaya* L., *Nicotiana tabacum* L., *Theobroma cacao* L., *Phalaenopsis* sp., *Basilornis* sp., *Deffenbachia* sp., *Gossypium* sp., decayed branch of *Artocarpus* sp., decaying bark of *Moringa* sp., sheaths of *Areca* sp., sheaths of palm

26) Genus *Eugynothrips* Priesner

**\**Eugynothrips (Eugynothrips) brevisetis* (Priesner)**

*Gynaikothrips brevisetis* Priesner, 1930a: 263. Syntypes female, male (SMFG), Philippines: Mt. Makiling, Laguna

Distribution: Philippines: Region 4A: Mt. Makiling, Laguna; plant associate: *Conocephalus* sp.; remarks: endemic species.

27) Genus *Gemmathrips* Reyes

**\**Gemmathrips brevis* Reyes**

*Gemmathrips brevis* Reyes, 1994: 390. Holotype female (ANIC), female paratype (BMNH), Philippines: Mt. Pangasugan, Baybay, Leyte

Distribution: Philippines: Region 4A: IRRI, Los Baños, Laguna; UPLB, Los Baños, Laguna; Region 8: Mt. Pangasugan, Baybay, Leyte; plant associate: *Symplocos ahernii* Brand., *Thevetia peruviana* (Pers.) Schum., *Hyptis brevipes* Poit., unidentified shrub; remarks: endemic species.

28) Genus *Gigantothrips* Zimmermann

***Gigantothrips elegans* Zimmermann**

*Gigantothrips elegans* Zimmermann, 1900: 18. Holotype female (SMFG), Indonesia: Buitenzorg, Java (SMFG)

Distribution: Philippines: National Capital Region: Manila; Region 4A: UPLB, Los Baños, Laguna; National Botanical Garden, Real, Quezon; Region 4B: San Jose, Occidental Mindoro; Sipit Saburan, Puerto Gallera, Oriental Mindoro; PNAC, Aborlan, Palawan; Region 6: Gabok, Canlaon, Negros Occidental; Region 8: Mt. Pangasugan, Baybay, Leyte; Region 9: Anuling, Pamocotan, Zamboanga del Sur; plant associate: *Carica papaya* L., *Tagetes erecta* L., *Artocarpus integrifolia* L., *Ficus benjamina* L., *Ficus odorata* (Blanco) Merr., *Ficus benghalensis* L., *Ficus glomerata* var. *elongata* King, *Ficus obtusa* Hassk., *Ficus pseudopalma* Blanco, *Commelina benghalensis* L., flower of "tagbak"

**\**Gigantothrips pontis* (Reyes)**

*Gynaikothrips pontis* Reyes, 1996: 111. Holotype female (ANIC), Philippines: UPLB, Los Baños, Laguna

Distribution: Philippines: Region 4A: UPLB Los Baños, Laguna; Region 12: Agko, Mt. Apo; plant associate: *Ficus pseudopalma* Blanco, unidentified plant, in sweep matter; remarks: endemic species.

**\**Gigantothrips xynos* (Reyes)**

*Gynaikothrips xynos* Reyes, 1996: 118. Holotype female (ANIC), Philippines: VISCA, Baybay, Leyte

Distribution: Philippines: Region 4A: Mt. Makiling, Laguna; Los Baños, Laguna; Region 8: VISCA, Baybay, Leyte; plant associate: *Euphorbia hirta* L., *Ficus* sp., unidentified plant; remarks: endemic species.

29) Genus *Gynaikothrips* Zimmermann

**\**Gynaikothrips capitulatus* Reyes**

*Gynaikothrips capitulatus* Reyes, 1996: 107. Holotype female (ANIC), Philippines: Anuling, Pamocotan, Zamboanga del Sur

Distribution: Philippines: Region 9: Anuling, Pamocotan, Zamboanga del Sur; plant associate: leaves of unidentified plant; remarks: endemic species.

***Gynaikothrips luzonensis* Priesner**

*Gynaikothrips luzonensis* Priesner, 1939: 480. Holotype female (SMFG), Philippines: Los Baños, Laguna

Distribution: Philippines: Region 4A: Los Baños, Laguna; UPLB, Los Baños, Laguna; IRRI, Los Baños, Laguna; Mud spring, Mt. Makiling; National Botanical Garden, Real, Quezon; Region 9: Anuling, Pamocotan, Zamboanga del Sur; plant associate: *Ficus balete*, *Ficus retusa*, *Ficus elastica*, *Ficus benjamina*, 'bignai', *Ficus* sp., *Ricinus communis*, *Antidesma* sp., Lauraceae

**\**Gynaikothrips pedanus* Reyes**

*Gynaikothrips pedanus* Reyes, 1994: 397. Holotype female (ANIC), Philippines: Gaggabutan Forest, Rizal, Cagayan

Distribution: Philippines: Region 2: Gaggabutan Forest, Rizal, Cagayan; plant associate: *Syzygium* sp. leaf rolls; remarks: endemic species.

***Gynaikothrips uzeli* (Zimmermann)**

*Mesothrips uzeli* Zimmermann, 1900: 12. Holotype female (SMFG), Indonesia: Buitenzorg, Java

Distribution: Philippines: National Capital Region: Manila; plant associate: curled leaves of *Ficus* sp., galled leaves of *Ficus benjamina* L., galled leaves of *Ficus microcarpa* L., galled leaves of *Ficus pilosa* Reinw., galled leaves of *Ficus superba* (Miq.) Miq., *Ficus obtusa* Hassk., *Macaranga* sp.

30) Genus *Haplothrips* Amyot & Serville

***Haplothrips (Haplothrips) chinensis* Priesner**

*Haplothrips chinensis* Priesner, 1933a: 359. Holotype female (SMFG), Taiwan

Distribution: Philippines: National Capital Region: Manila, taken on quarantine at Seattle, Washington and Guam, USA.; Region 6: Negros Occidental; plant associate: cut flowers, *Lantana camara* L., on numerous plants

***Haplothrips (Haplothrips) ganglbaueri* Schmutz**

*Haplothrips ganglbaueri* Schmutz, 1913: 1034. Holotype female (unknown depository), Sri Lanka: Peradenya

Distribution: Philippines; plant associate: *Oryza sativa* L. seedling and panicle, *Zea mays* L., *Saccharum officinarum* L., *Gossypium hirsutum* L., *Imperata cylindrica* (L.) Raeuschel., flowers of *Lantana* sp., *Cymbopogon nervatus* (Hochst.) Chiov., on numerous plants

***Haplothrips (Haplothrips) gowdeyi* (Franklin)**

*Anthothrips gowdeyi* Franklin, 1908: 124. Holotype female (USNM), Barbados

Distribution: Philippines; plant associate: *Zea mays* L., *Mangifera indica* L., *Allium sativum* L., *Amaranthus viridis* L., *Lantana camara* L., *Scleria* sp., on numerous plants

31) Genus *Holothrips* Karny

**\**Holothrips apoensis* Okajima**

*Holothrips apoensis* Okajima, 1987b: 20. Holotype female, paratype female, male (BMNH), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves; remarks: endemic species.

**\**Holothrips brevitubus* Okajima**

*Holothrips brevitubus* Okajima, 1987b: 20. Holotype female, paratype male (BMNH), Philippines: Bicol National Park

Distribution: Philippines: Region 4A: Quezon National Park; Region 5: Bicol National Park; plant associate: dead branches and leaves; remarks: endemic species.

**\**Holothrips cupreus* Okajima**

*Holothrips cupreus* Okajima, 1987b: 23. Holotype female (BMNH), Philippines: Mt. Apo

Distribution: Philippines: Region 12: Mt. Apo; Ilomavis, Kidapawan, North Cotabato; plant associate: dead leaves of evergreen trees; remarks: endemic species.

**\**Holothrips flavus* Okajima**

*Holothrips flavus* Okajima, 1987b: 27. Holotype female, paratype female (BMNH), Philippines: Quezon National Forest Park

Distribution: Philippines: Region 4A: Quezon National Forest Park; plant associate: dead branches; remarks: endemic species.

**\**Holothrips luminosus* Okajima**

*Holothrips luminosus* Okajima, 1987b: 33. Holotype female (BMNH), Philippines: Bicol National Park

Distribution: Philippines: Region 4A: Quezon National Forest Park; Region 5: Bicol National Park; plant associate: dead branches; remarks: endemic species.

**\**Holothrips maxillae* Okajima**

*Holothrips maxillae* Okajima, 1987b: 33. Holotype female, paratypes female, male (BMNH), Philippines: near Marbel river, Mt. Apo

Distribution: Philippines: Region 4A: Quezon National Forest Park; Region 12: near Marbel River, Mt. Apo; plant associate: dead evergreen trees, dead leaves; remarks: endemic species.

***Holothrips pictus* Okajima**

*Holothrips pictus* Okajima, 1987b: 41. Holotype female, male (BMNH), Philippines: Bicol National Park

Distribution: Philippines: Region 5: Bicol National Park; Region 12: Agko, Mt. Apo; plant associate: dead branches and leaves of evergreen trees

**\**Holothrips setosus* Okajima**

*Holothrips setosus* Okajima, 1987b: 47. Holotype female (BMNH), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves of evergreen trees; remarks: endemic species.

32) Genus *Hoplandrothrips* Hood

***Hoplandrothrips flavipes* Bagnall**

*Hoplandrothrips flavipes* Bagnall, 1923: 628. Holotype (BMNH), Kenya: Kijalie Kikuyu Escarpment

Distribution: Philippines: Cordillera Administrative Region: Boay-Lienan, Abra; National Capital Region: Manila, taken in quarantine at San Francisco, California, USA; Region 4A: Mt. Makiling Rainforest, Laguna; IRRI, Los Baños, Laguna; Region 4B: BFD, Sabsaban, Cabar, Brooks Point, Palawan; Region 8: Gaas, Baybay, Leyte; plant associate: leaves of *Oryza sativa* L., *Vanda luzonica* Loher & Rolf, *Pinus kesiya* Royle & Gordon, *Moghania lineata* (L.) Kuntze, in leaf litter, deadwood

33) Genus *Karnyothrips* Watson

**\**Karnyothrips ateuchis* Reyes**

*Karnyothrips ateuchis* Reyes, 1994: 423. Holotype female (ANIC), female and male paratypes (BMNH), Philippines: National Botanical Garden, Real Quezon

Distribution: Philippines: Region 4A: National Botanical Garden, Real Quezon; plant associate: leaves of *Melastoma* sp.; remarks: endemic species.

**\**Karnyothrips expandosus* Reyes**

*Karnyothrips expandosus* Reyes, 1994: 425. Holotype female (ANIC), Philippines: Bicol Experiment Station, Pili, Camarines Sur

Distribution: Philippines: Region 5: Bicol Experiment Station, Pili, Camarines Sur; plant associate: *Saccharum spontaneum* L.; remarks: endemic species.

**\*\**Karnyothrips flavipes* (Jones)**

*Anthrothrips flavipes* Jones, 1912: 18. Holotype female (USNM), USA: San Jose California

Distribution: Philippines: National Capital Region: Manila; Region 6: Piña, Guimaras; plant associate: *Annona muricata* L., *Coffea* sp.; Remarks: This species is a predator of eggs and larvae of coffee berry borer, *Hypothenemus hampei* and green scale insect, *Coccus viridis* (Green) (Jaramillo *et al.* 2010; Saengyot 2016).

**\*\**Karnyothrips melaleucus* (Bagnall)**

*Hindsiana melaleuca* Bagnall, 1911: 60. Holotype female (BMNH), Denmark: Copenhagen

Distribution: Philippines: National Capital Region: Manila; Region 4B: San Jose, Occidental, Mindoro; plant

associate: *Renanthera monachica* Ames, *Bambusa* sp., *Vanda* sp., *Camellia sinensis* (L) Kuntze, *Dracaena* sp., wild grass, *Citrus* sp., unidentified matter; Remarks: This species is a known predator of scale insects, *Ceroplastes cirripediformis* Comstock (Lewis 1973).

34) Genus *Leeuwenia* Karny

**\**Leeuwenia arbastoea* Reyes**

*Leeuwenia arbastoea* Reyes, 1994: 429. Holotype female (ANIC), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: sweep fern; remarks: endemic species.

**\**Leeuwenia fimbriatrix* Priesner**

*Leeuwenia fimbriatrix* Priesner, 1929: 447. Syntypes female (SMFG), Philippines: Mt. Makiling, Laguna

Distribution: Philippines: Region 4A: Mt. Makiling, Laguna; plant associate: unidentified matter; remarks: endemic species.

35) Genus *Leptolothrips* Moulton

**\**Leptolothrips manilae* Moulton**

*Leptolothrips manilae* Moulton, 1927: 199. Holotype male (CASC), Philippines: Manila

Distribution: Philippines: National Capital Region: Manila; plant associate: unidentified plant; remarks: endemic species.

36) Genus *Liothrips* Uzel

***Liothrips (Liothrips) chavicae* (Zimmermann)**

*Mesothrips chavicae* Zimmermann, 1900: 6. Holotype female (SMFG), Indonesia: Java

Distribution: Philippines: Region 11: Bago-Oshiro, Davao; plant associate: flower of Araceae, galled leaves of *Piper* sp., *Melastoma polyanthum* Blume, *Piper betle* L.

***Liothrips (Zopyrothrips) heptapleuri* (Karny)**

*Gynaikothrips chavicae* var *heptapleuri* Karny, 1913b: 109. Holotype female (SMFG), Indonesia: Solatiga, Java

*Liothrips (Zopyrothrips) heptapleuri* (Karny): Dang, Mound & Qiao, 2013: 49.

Distribution: Philippines: Region 4A: Los Baños, Laguna; plant associate: galled leaves of *Schefflera odorata* Blanco, *Schefflera elliptica* Blume, *Schefflera* sp.

***Liothrips (Liothrips) kuwanai* (Moulton)**

*Gynaikothrips kuwanai* Moulton, 1928: 308. Holotype female (CASC), Taiwan: Taihoku

*Liothrips (Liothrips) kuwanai* (Moulton): Dang, Mound & Qiao, 2013: 49.

Distribution: Philippines: Region 4A: UPLB, Los Baños, Laguna; Makiling Botanical Garden, Los Baños, Laguna;

Region 12: Sagpangan, Agko, Mt. Apo; plant associate: *Piper betle* L., *Piper* sp., *Piper futokadsura* Sieb. & Zucc. *Piper kadzura* Ohwi, *Piper muricatum* Blume, *Piper recurvum* Blume, *Amilax* sp., *Sarcocephalus* sp.

**\**Liothrips (Liothrips) orchidis* (Moulton)**

*Gynaikothrips orchidis* Moulton, 1927: 200. Holotype female (CASC), Philippines: Manila

*Liothrips orchidis* (Moulton): Transferred by Priesner, 1968: 280.

Distribution: Philippines: National Capital Region: Manila; plant associate: orchids; remarks: endemic species.

***Liothrips (Liothrips) pallicrus* (Karny)**

*Gynaikothrips pallicrus* Karny, 1923: 315. Holotype female (SMFG), Indonesia: Blatgolle, Sulawesi

*Liothrips (Liothrips) pallicrus* (Karny): Dang, Mound & Qiao, 2013: 49.

Distribution: Philippines; plant associate: *Vitis lanceolaria* (Roxb.) Wall, *Pothos scandens* L.

37) Genus *Lizalothrips* Okajima

**\**Lizalothrips luzonensis* Okajima**

*Lizalothrips luzonensis* Okajima, 1984: 729. Holotype female (TUAJ), Philippines: Bicol National Park

Distribution: Philippines: Region 5: Bicol National Park; plant associate: dead leaves; remarks: endemic species.

38) Genus *Macrophthalmothrips* Karny

***Macrophthalmothrips quadricolor* Karny**

*Macrophthalmothrips quadricolor* Karny, 1923: 278. Lectotype male (SMFG), Indonesia: Boeton, Sulawesi

Distribution: Philippines: Region 4B: Sagpangan, Aborlan, Palawan; Region 8: Mt. Pangasugan, Leyte; plant associate s: *Ficus* sp., flower of unidentified plant, surface of bark, in Malaise trap

39) Genus *Mesothrips* Zimmermann

***Mesothrips jordani* Zimmermann**

*Mesothrips jordani* Zimmermann, 1900: 12. Syntype female (SMFG), Indonesia: Java

Distribution: Philippines: National Capital Region: Manila; Region 4A: UPLB, Los Baños, Laguna; Los Baños, Laguna; Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: *Ficus benjamina* L., *Ficus retusa* L., *Ficus* sp., leaves of *Ficus baletae* Merr., *Ficus macrocarpa* L., *Melastoma malabathricum* (L.)

***Mesothrips leeuweni* Karny**

*Mesothrips leeuweni* Karny, 1913b: 71. Syntypes female, male (SMFG), Indonesia

Distribution: Philippines: Region 9: Anuling, Pamocotan, Zamboanga del Sur; plant associate: galled leaves of *Conocephalus naucleiflorus* Lindl., leaf of unidentified plant

***Mesothrips mendax* (Karny)**

*Neoheegeria mendax* Karny, 1912: 122. Syntypes female, male (SMFG), Indonesia: Java

*Mesothrips mendax* (Karny): Transferred by Priesner, 1926: 264.

Distribution: Philippines: Region 4A: Los Baños, Laguna; plant associate: *Mallotus philippensis* (Lam.) Mull. Arg.; *Syzygium* sp.

***Mesothrips pyctes* Karny**

*Mesothrips pyctes* Karny, 1916: 191. Syntype female (SMFG), Indonesia: Tempoeran, Java

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental, Mindoro; plant associate: *Piper betle* L., *Eugenia* sp.

40) Genus *Mystrothrips* Priesner

***Mystrothrips dammermanni* (Priesner)**

*Segenothrips dammermanni* Priesner, 1933b: 75. Syntype female (SMFG), Indonesia: Java

Distribution: Philippines: Region 4A: Mt. Makiling Rainforest, Los Baños, Laguna; plant associate: leaf litter

41) Genus *Phenicothrips* Bhatti

***Phenicothrips callosae* (Priesner)**

*Liothrips (Phaenothrips) callosae* Priesner, 1968: 192. Holotype female (SMFG), Indonesia: Sebesie

Distribution: Philippines: Region 4A: UPLB, Laguna; Region 6: La Granja, La Carlota, Negros Occidental; La Carlota, Negros Occidental; plant associate: *Ficus* sp., *Panicum maximum* Jacq

**\**Phenicothrips spectator* (Priesner)**

*Liothrips (Phaenothrips) spectator* Priesner, 1968: 195. Holotype female (SMFG), Philippines: Mt. Makiling, Laguna

Distribution: Philippines: Region 4A: Mt. Makiling, Laguna; Region 10: Mt. Kitanglad, Bukidnon; plant associate: Rubiaceae, unidentified matter; remarks: endemic species.

42) Genus *Phylladothrips* Priesner

**\**Phylladothrips bispinosus* (Okajima)**

*Paradexiothrips bispinosus* Okajima, 1984: 731. Holotype female (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves of Palmaceae; remarks: endemic species.

***Phylladothrips fasciae* Okajima**

*Phylladothrips fasciae* Okajima, 1988: 709. Holotype female (TUAJ), Indonesia: Central Sulawesi

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves and branches

***Phylladothrips niger* Okajima**

*Phylladothrips niger* Okajima, 1988: 714. Holotype female (TUAJ), Malaysia: Cameron Highland, Tanah Rata

Distribution: Philippines: Region 5: Bicol National Park; plant associate: dead leaves

***Phylladothrips similis* Okajima**

*Phylladothrips similis* Okajima, 1988: 719. Holotype female (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 4A: Quezon National Park; Region 5: Bicol National Park; Region 12: Agko, Mt. Apo; Ilomavis, Kidapawan, North Cotabato; plant associate: dead leaves

43) Genus *Plectrothrips* Hood

***Plectrothrips orientalis* Okajima**

*Plectrothrips orientalis* Okajima, 1981: 327. Holotype female (TUAJ), Singapore

Distribution: Philippines; plant associate: dead branches

**\**Plectrothrips* sp. 1**

*Plectrothrips* sp. 1 Reyes, 1994: 462. 2 males (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves; remarks: endemic species.

**\**Plectrothrips* sp. 2**

*Plectrothrips* sp. 2 Reyes, 1994: 462. 1 male (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; plant associate: dead leaves; remarks: endemic species.

44) Genus *Podothrips* Hood

**\*\**Podothrips lucasseni* Kruger**

*Phloeothrips lucasseni* Kruger, 1890: 105. Syntype female (depository unknown), Indonesia: Java

Distribution: Philippines: Region 4B: Palawan; Region 5: Bicol Experiment Station, Pili, Camarines Sur; Region 6: Victorias, Negros Occidental; Region 7: Bohol; Region 8: Leyte; Samar; Region 13: Agusan del Norte; plant associate: leaf sheaths of *Oryza sativa* L., grass, leaves of sugarcane, *Andropogon pertusus* (L.), *Triticum* sp. Amyrallidaceae, 'santol', unidentified matter; Remarks: Known as predator of 'santol' gall mite, *Aceria sandorici* Nalepa and 'litchi' mite, *Aceria litchi* Keifer (Saengyot 2016).



45) Genus *Praeciputhrips* Reyes

**\**Praeciputhrips balli* Reyes**

*Praeciputhrips balli* Reyes, 1994: 466. Holotype female (ANIC), Philippines: Sipit Saburan, Puerto Gallera, Oriental Mindoro

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: leaves of unidentified tree; remarks: endemic species.

46) Genus *Praepodothrips* Priesner & Seshadri

**\**Praepodothrips causiapeltus* Reyes**

*Praepodothrips causiapeltus* Reyes, 1994: 469. Holotype female (ANIC), Philippines: Brooks Point, Palawan

Distribution: Philippines: Region 4B: Brooks Point, Palawan; plant associate: *Bambusa* sp.; remarks: endemic species.

47) Genus *Propealiothrips* Reyes

**\**Propealiothrips mouni* Reyes**

*Propealiothrips mouni* Reyes, 1994: 471. Holotype male (ANIC), male paratype (BMNH), Philippines: La Castellana, Negros Occidental

Distribution: Philippines: Region 6: La Castellana, Negros Occidental; plant associate: galled leaves of *Coffea arabica* L.; remarks: endemic species.

48) Genus *Propesolomonthrips* Reyes

**\**Propesolomonthrips mindorensis* Reyes**

*Propesolomonthrips mindorensis* Reyes, 1994: 475. Holotype male (ANIC), Philippines: Sipit Saburan, Puerto Gallera, Oriental Mindoro

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: *Bambusa* sp.; remarks: endemic species.

49) Genus *Psalidothrips* Priesner

**\**Psalidothrips longiceps* Okajima**

*Psalidothrips longiceps* Okajima, 1983b: 7. Paratypes female, male (SMFG), Paratypes female, male (BMNH) Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; Region 12: Agko, Mt. Apo; plant associate: grass, leaf litter; remarks: endemic species.

50) Genus *Psephenothrips* Reyes

**\**Psephenothrips strasseni* Reyes**

*Psephenothrips strasseni* Reyes, 1994: 479. Holotype female (ANIC), female paratype (BMNH), Philippines: Mt. Pangasugan, Baybay, Leyte

Distribution: Philippines: Region 8: Mt. Pangasugan, Baybay, Leyte; plant associate: "camiring"; remarks: endemic species.

51) Genus *Rosingotherips* Reyes

**\**Rosingotherips ommatus* Reyes**

*Rosingotherips ommatus* Reyes, 1994: 481. Holotype female (ANIC), female paratype (BMNH), Philippines: Sipit Saburan, Puerto Gallera, Oriental Mindoro

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: unidentified vine; remarks: endemic species.

52) Genus *Sphingotherips* Ananthakrishnan

***Sphingotherips trachypogon* (Karny)**

*Dolerotherips trachypogon* Karny, 1923: 309. Syntype male (SMFG), Indonesia: Sumatra

*Amphidoxothrips armatus* Reyes, 1994: 352. Holotype male (ANIC), Philippines: Sipit Saburan, Puerto Gallera, Oriental Mindoro. Synonymised by Bhatti, 2004: 132.

Distribution: Philippines: Region 4B: Sipit Saburan, Puerto Gallera, Oriental Mindoro; plant associate: leaf galls of *Diospyros maritima* Blume, leaf of unidentified tree

53) Genus *Stephanothrips* Trybom

**\**Stephanothrips luecocephalus* Okajima**

*Stephanothrips luecocephalus* Okajima, 1982: 54. Holotype female (TUAJ), Philippines: Agko, Mt. Apo

Distribution: Philippines: Region 12: Agko, Mt. Apo; Ilomavis, Kidapawan, North Cotabato; plant associate: dead leaves and branches, dead fern; remarks: endemic species.

***Stephanothrips occidentalis* Hood & Williams**

*Stephanothrips occidentalis* Hood & Williams, 1925: 48. Holotype (USNM), St. Croix

Distribution: Philippines: Region 4A: San Pablo, Laguna; Pagsanjan, Laguna; Region 8: Mt. Pangasugan, Leyte; Region 12: Agko, Mt. Apo; Ilomavis, Kidapawan, North Cotabato; plant associate: bamboo, *Cinnamomum camphora* (L.), grass, dead *Phoenix* sp., dead fern, dead leaves and twigs, dry vines

Legend:

\*Endemic species

\*\*Potential predator of arthropods

## DISCUSSION

The present knowledge of thrips fauna in the Philippines is only about 3.6% of more than 6,000 species known worldwide. Since the area bounded by the Philippines, the Malaysian peninsula, New Guinea, and Northern Australia is considered a biodiversity hotspot (Gaither and Rocha 2013), there are more species waiting to be discovered. Many plantations and forests remained to be surveyed in many parts of the Philippines – especially in

Bangsamoro Autonomous Region in Muslim Mindanao, Cagayan Valley, Davao Region, Caraga Administrative Region, and Zamboanga Peninsula.

## CONCLUSION

There are 213 species of Thysanoptera in 98 genera in three families and two suborders recorded in the Philippines. There are 79 species considered endemic while four species of thrips are potential predators of mites and insect pests. Hence, these beneficial and endemic species are recommended for conservation.

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