



Checklist of the suborder Terebrantia (Thysanoptera): generic diversity and species composition in Xishuangbanna, Yunnan Province, China

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Abstract

Background

Thysanoptera is amongst the most predominant orders of insects in different ecological zones with worldwide distribution. Due to their small size, there is a large gap in their distribution and host range data. To the best of our knowledge, there is no investigation on the thrips distribution and their host range in Xishuangbanna. Currently, a total of 566 species in 155 genera are listed in China, of which 313 species represent Terebrantia.

New information

In this study, a list of 116 species representing 55 genera within the families Aeolothripidae and Thripidae is provided. Two of these, *Dichromomothrips nakahari* Moud, 1976 (subfamily Thripinae) and *Phibalothrips rugosus* Kudo, 1979 (subfamily Panchaeothripinae) are recorded for the first time in China. *Thrips* species with their host ranges, habits and habitats are provided. Our study aims to contribute to the global biodiversity distribution data-gap of Thysanoptera for conservation purposes, as well as pest species targeting Integrated Pest Management tactics.

Keywords

thrips, host range, distribution, biodiversity, conservation

Introduction

Thysanoptera (commonly known as thrips) is a group of small insects with body length ranging from 0.5 to 5.0 mm (except for a few tropical species, which may reach 14 mm). They are characterised by piercing-sucking with the distinction of only one completed left mandible (Hunter and Ullman 1992). *Thrips* exhibit high potential of sexual or parthenogenetic reproduction with rapid growth (Ramakrishna and Margabandhu 1931, Ananthakrishnan 1969) and dwell in a great diversity of habitats. More than 50% are mycophagous with the remaining phytophagous and predators. Besides, a few species have been recorded to annoy or bite people and cause non-severe skin irritation (Borror 1998).

The world updated checklist of Thysanoptera is totalling about 6,337 extant species representing 786 genera (ThripsWiki 2020). In China, the basic taxonomic work on Thysanoptera comprises two checklists (Zhang and Tong 1993, Mirab-balou et al. 2011), of which about 100 species representing 40 genera were individually studied from Xishuangbanna. However, there is no checklist of Thysanoptera diversity and species composition have been conducted in Xishuangbanna which is the home of a unique evergreen Tropical Rainforest and Botanical Garden and the most biodiversity-rich place in Yunnan Province, harbouring much of the biodiversity of China (Liu et al. 2015). This study aims to investigate the diversity of suborder Terebrantia (Thysanoptera) and its hosts which are important for developing of sustainable biodiversity, conservation and Integrated Pest Management (IPM).

Materials and methods

Description of study areas

The study was conducted from May 2015 to August 2020 in three counties of Xishuangbanna Prefecture, Yunnan Province, China. This area is located on the tropical northern edge of the southern tip of the mountainous zone of about 80 hectares. The tropical rainforest is completely similar to the typical equatorial tropical rainforest in fauna and flora characteristics (Cao et al. 2006). The tropical climate with annual average temperature varies from 18 to 21°C, rainfall from 1,100 mm to 1,900 mm, elevation from 477 to 2,429 m a.s.l. and sunshine 1,700 to 2,300 hours and hosting over 301 plant families and 2110 genera (Zhu et al. 2015).

Sample collection

Natural forests, protected areas, agricultural fields, botanical gardens, degraded and disturbed habitats were accessed and thrips samples were collected (Fig. 1), following the methodology as described by Zhang et al. (2006). For soft plants or shrubs foliage or inflorescence exposed to easy damage, the handshaking technique was applied. A fine hairbrush was used to pick thrips from the white tray and transferred to 75% ethanol to be carried to the Laboratory of Insect Taxonomy, College of Plant Protection, Yunnan Agricultural University and frozen for further studies. Besides, the references of a few individuals species, previously studied from Xishuangbanna, were collected.

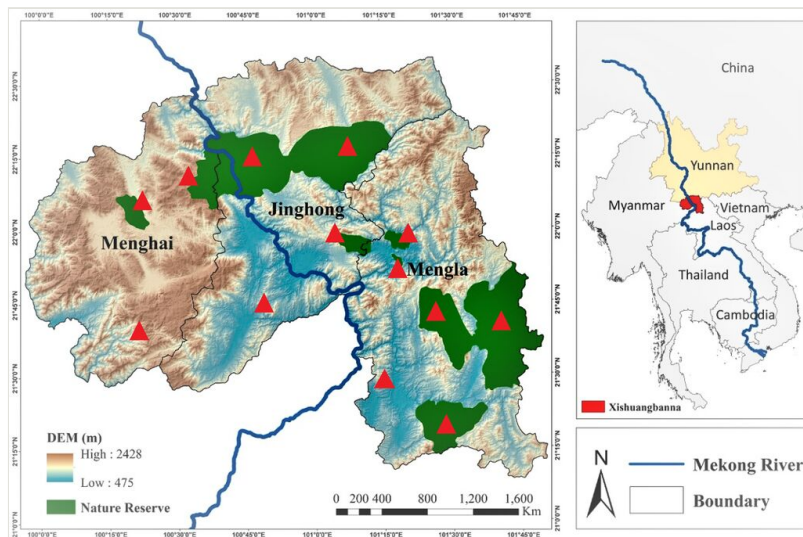


Figure 1. [doi](#)

Geographical location of Xishuangbanna Prefecture Yunnan Province, China; the red pyramids show the geographic coverage of the sites of study.

Permanent slides preparation

Adult thrips were mounted according to the standard slides preparation techniques (Zhang et al. 2006) and identified following the standard identification keys provided by Mound and Marullo (1996), Masumoto and Okajima (2006) and ThripsWiki (2020). Morphological characters were observed under a compound microscope Olympus BX 41. Photos of species were taken with a CCD Zeiss Microscope. Species distribution used thrips distribution information available (ThripsWiki 2020) and the Zoological Catalogue of Smithers et al. (1997).

Permanent slides were labelled with the site, host plant, date of sampling and collector's name (left side); specimen ID, genus, species, sex and identified author's name (right side). All slides were grouped by genus-species in boxes labelled with YAU5082020 (representing institutional code), Tt ((T) representing Thysanoptera and (t) Terebrantia in collection code), No. of slide ID Material is deposited in the Insect Taxonomy laboratory, Plant Protection College at Yunnan Agricultural University, Kunming, China. Some information on individual species was collected from previously-studied references.

Checklist of the suborder Terebrantia (Thysanoptera) in Xishuangbanna (Yunnan Province, China)

Family Aeolothripidae

Mymarothrips garuda Ramakrishna & Margabandhu, 1931

- https://thrips.info/wiki/Mymarothrips_garuda

Nomenclature:

Mymarothrips garuda Ramakrishna & Margabandhu, 1931: 1031 | *Mymarothrips bolus* Bhatti, 1967: 3. Synonymised by Mound and Marullo (1998) | *Mymarothrips flavidonotus* Tong & Zhang, 1995: 39.

Material

- scientificNameAuthorship: *Mymarothrips garuda* Ramakrishna & Margabandhu; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun), Jinghong; verbatimCoordinateSystem: 21°39'35.16"N, 101°25'43.56"E; decimalLatitude: 30.3427; decimalLongitude: 119.4338; samplingProtocol: sweeping and shaking; eventDate: 17/07/2019; individualID: 2019-VII-17; individualCount: 2; sex: females; lifeStage: adults; recordedBy: L.H; identifiedBy: Liu Hui; dateIdentified: 2019; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt1

Diagnosis: Female macropterous, body yellowish-brown (Fig. 2), reddish pigments on abdominal segments 3-6, yellow median longitudinal stripe extending from ocellar

region to the base of abdomen, cheeks brown; pronotum brown with reddish alongside the yellow median region; head longer than wider; prothorax broader than longer; fore wings with an abroad transversal colourless patch with grey before apex.



Figure 2. [doi](#)

Female of *Mymarothrips garuda* Ramakrishna & Margarbandhu, 1931.

Feeds on: small arthropods.

Distribution: Described from India and recorded in southern China.

Family Thripidae

Subfamily Panchaetothripinae

Anisopilothers venustus (Priesner, 1923)

- https://thrips.info/wiki/Anisopilothers_venustus

Nomenclature:

Heliotrips venustus Priesner, 1923: 89 | *Astrothrips angulatus* Hood, 1925: 50.
Synonymised by Wilson (1975).

Material

- scientificNameAuthorship: *Anisopilothers venustus* (Priesner); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun), Jinghong; decimalLatitude: 30.3427; decimalLongitude: 119.4338; samplingProtocol: sweeping and shaking; eventDate: 30/05/2018, 16-18/05/2019; individualID: 2018-V-30| 2019-V-18| 2019-V-16; individualCount: 6; sex: 1 male, 5 females; lifeStage: adults; recordedBy: E.N. & X.Y.L; identifiedBy: Xie Yanlan; dateIdentified: 2019; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode:

YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen;
occurrenceID: YAU5082020T12

Diagnosis: Female macropterous; Body brown to yellowish-brown, abdomen often yellow (Fig. 3), antennal segments I-VI largely yellow with brown apices; tarsi yellow, hind tibiae yellow with small brown area, fore wings brown with small pale cross bands sub-basally, medially and at apex; antennae 8-segmented, III and IV with simple sense cone, segment VIII twice as long as VII. Pronotum reticulated; the presence of a complete longitudinal division on the mesonotum; fore wing curved forward at apex with two veins, first vein with about five dark setae and two setae distally, second vein with a row of widely-spaced setae.



Figure 3. [doi](#)

Female of *Anisopilothrips venustulus* (Priesner, 1923).

Feeds on: leaves and collected from tea tree, lotus, wide plant varieties.

Distribution: Described from Grenada. Recorded from Florida USA, widely around the Caribbean, also Japan, Taiwan, Malaysia, Australia, Fiji (Mound and Marullo 1996) and China.

***Araliacothrips daweishanensis* Li, Li & Zhang, 2018**

- https://thrips.info/wiki/Araliacothrips_daweishanensis

Material

- scientificNameAuthorship: *Araliacothrips daweishanensis* Li, Li & Zhang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai; decimalLatitude: 19.1167; decimalLongitude: 109.05; samplingProtocol: sweeping and shaking; eventDate: 16/05/2019; individualID: 2019-v-16; individualCount: 3; sex: 1 male, 2 females; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Elie N. & Li Yajin; dateIdentified: 2019; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode:

YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen;
occurrenceID: YAU5082020Tt3

Diagnosis: Female fully winged; body dark brown and strongly reticulate (Fig. 4); cheeks parallel, constricted behind eyes; maxillary palps 2-segmented; compound eyes with 6 weakly pigmented facets; ocellar setae pair I present, pair III on anterolateral margins of the ocellar triangle; antennae 8-segmented, III and IV with long apical neck, III with sense cone long and forked, IV with one forked and one simple sense cone, VI constricted at base, VIII longer than VII; pronotum reticulated with small setae. Identification details are in the provided link.



Figure 4. [doi](#)

Male of *Araliacothrips daweshanensis* Li, Li & Zhang, 2018.

Feeds on: leaves and collected from Ranunculaceae and Polypodiaceae (ferns).

Distribution: Described from Xishuangbanna (Li et al. 2018b) and distributed from southern China.

***Astrothrips asiaticus* (Bhatti, 1967)**

- https://thrips.info/wiki/Astrothrips_asiaticus

Nomenclature:

Semiothrips asiaticus Bhatti, 1967: 7.

Material

- scientificNameAuthorship: *Astrothrips asiaticus* (Bhatti); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 30.3427; decimalLongitude: 119.4338; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017, 01/06/2018; individualID: 2018-vi-1 | 2017-iii-11; individualCount: 3; sex: 1 male, 2 females; lifeStage: adults; recordedBy: X.Y.L & Z.H.R; identifiedBy: Xie

Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt4

Diagnosis: Macropterous, body dark brown to yellowish with reticulations (Fig. 5); antennal 8-segments, all eight antennal segments are clearly separated, antennal segments III–IV with sense cone simple. Male with U-shaped sternal pore plates.



Figure 5. [doi](#)

Male of *Astrothrips asiaticus* (Bhatti, 1967).

Feeds on: leaves and collected from grasses.

Distribution: Palaeotropics, from West Africa to northern Australia, Japan and southern China.

Astrothrips aucubae Kurosawa, 1932

- https://thrips.info/wiki/Astrothrips_aucubae

Material

- scientificNameAuthorship: *Astrothrips aucubae* Kurosawa; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.011754; decimalLongitude: 100.785957; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017, 07/08/2017, 21/10/2017; individualID: 2017-X-21|2017-III-10|2017-VIII-7; individualCount: 7; sex: 3 males, 4 females; lifeStage: adults; recordedBy: L.Y.J & X.Y.L.; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt5

Feeds on: leaves and collected from *Pueraria lobata* and *Ficus* tree.

Distribution: Described from Japan. Recorded from China (Li et al. 2021).

***Astrothrips aureolus* Stannard & Mitri, 1962**

- https://thrips.info/wiki/Astrothrips_aureolus

Material

- scientificNameAuthorship: *Astrothrips aureolus* Stannard & Mitri; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 22.001969; decimalLongitude: 100.795012; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 3; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T6

Feeds on: leaves and collected from *Ophiopogon japonicus* (Asparagaceae).

Distribution: Described from Peninsular Malaysia. Recorded from northern Australia and southern China.

***Astrothrips chisinliaensis* Chen, 1980**

- https://thrips.info/wiki/Astrothrips_chisinliaensis

Material

- scientificNameAuthorship: *Astrothrips chisinliaensis* Chen; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.963829; decimalLongitude: 100.64345; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 4; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T7

Feeds on: leaves, collected from ferns and *Ternstroemia pseudoverticillata*.

Distribution: Described from Republic of Moldova (Chisinliao). Recorded from southern China and Taiwan.

***Astrothrips globiceps* (Karny, 1913)**

- https://thrips.info/wiki/Astrothrips_globiceps

Nomenclature:

Heliathrips globiceps Karny, 1913: 125.

Material

- scientificNameAuthorship: *Astrothrips globiceps* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 22.043353;

decimalLongitude: 100.917923; samplingProtocol: sweeping and shaking; eventDate: 25/10/2016; individualID: 2016-X-25; individualCount: 2; sex: males; lifeStage: adults; recordedBy: Z.H.R.; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt8

Feeds on: leaves and collected from onion.

Distribution: Described from Indonesia, New Britain, Papua New Guinea. Recorded from China.

Astrothrips strasseni Kudo, 1979

- https://thrips.info/wiki/Astrothrips_strasseni

Material

- scientificNameAuthorship: *Astrothrips strasseni* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai (Protected Area); decimalLatitude: 22.010116; decimalLongitude: 100.958167; samplingProtocol: sweeping and shaking; eventDate: 16/05/2019; individualID: 2019-v-16; individualCount: 6; sex: 1 male, 5 females; lifeStage: adults; recordedBy: E.N & X.Y.L.; identifiedBy: Xie Yanlan; dateIdentified: 2019; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt9

Feeds on: leaves and collected from bamboo.

Distribution: Described from Myanmar and recorded from southern China.

Astrothrips tumiceps Karny, 1923

- https://thrips.info/wiki/Astrothrips_tumiceps

Material

- scientificNameAuthorship: *Astrothrips tumiceps* Karny; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.004755; decimalLongitude: 100.922522; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017, 01/06/2018; individualID: 2018-vi-1|2017-iii-11; individualCount: 7; sex: 1 male, 6 females; lifeStage: adults; recordedBy: X.Y.L & Z.H.R.; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt10

Diagnosis: This species differs from *A. asiaticus* by antennae with 5 to 7 segments; metanotum triangle of reticulation sharply defined; mesonotum anterior third fully divided with no sculptured reticulate connection (Fig. 6); male with no sternal pore plates.



Figure 6. [doi](#)

Female of *Astrothrips tumiceps* Karny, 1923.

Feeds on: leaves and collected from Moringa and Smilacaceae.

Distribution: Described from Indonesia. Recorded from India, Philippines, northern Australia and China.

Caliothrips tongi Mound, Zhang & Bei, 2011

- https://thrips.info/wiki/Caliothrips_tongi

Material

- a. scientificNameAuthorship: *Caliothrips tongi* Mound Zhang & Bei; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.995104; decimalLongitude: 100.879979; samplingProtocol: sweeping and shaking; eventDate: 10/07/2017; individualID: 2017-viii-10; individualCount: 6; sex: 2 males, 4 females; lifeStage: adults; recordedBy: L.H; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt11

Feeds on: leaves and collected from a wide range of host plants.

Distribution: Described from Zhejiang Province, China (Mound et al. 2011).

Copidothrips octarticulatus (Schmutz, 1913)

- https://thrips.info/wiki/Copidothrips_octarticulatus

Nomenclature:

Heliothrips (Parthenothrips) octarticulata Schmutz, 1913: 993 | *Copidothrips formosus* Hood, 1954: 190 | *Mesostenothrips kraussi* Stannard & Mitri, 1962: 211.

Material

- a. scientificNameAuthorship: *Copidothrips octarticulatus* (Schmutz); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Forest); decimalLatitude: 21.973654; decimalLongitude: 100.942069; samplingProtocol: sweeping and shaking; eventDate: 25/10/2017, 01/05/2018, 31/05/2018; individualID: 2017-X-25|2018-v-31|2018-vi-1; individualCount: 27; sex: 1 male, 26 female; lifeStage: adults; recordedBy: L.Y.J & X.Y.L.; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt12

Diagnosis: Female fully winged; body yellowish-brown (Fig. 7), pterothorax darker laterally; antennal segments I, III–V and basal half of VI yellow, II, VII and apex of VI brown; tarsi and tibiae yellow; fore wing brown with transverse white bands sub-basally, medially and at the apex; head with cheeks convex and constricted at base; ocellar region elevated; antennae 8-segmented, III and IV with simple sensorium, VIII twice as long as VII. Pronotum with six pairs of large setae.



Figure 7. [doi](#)

Female of *Copidothrips octarticulatus* (Schmutz, 1913).

Feeds on: leaves and collected from asparagus and ferns.

Distribution: Described from Sri Lanka. Recorded from Taiwan, Gilbert Island, Kiribati, Seychelles, Thailand, northern Australia and southern China.

***Helionothrips brunneipennis* Bagnall, 1915**

- https://thrips.info/wiki/Helionothrips_brunneipennis

Material

- a. scientificNameAuthorship: *Helionothrips brunneipennis* Bagnall; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.005827; decimalLongitude: 100.924822; samplingProtocol: sweeping and shaking; eventDate: 30/05/2018; individualID: 2018-v-30; individualCount: 1; sex: female; lifeStage: adults; recordedBy: X.Y.L.; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt13

Feeds on: leaves and collected from *Reinwardtia indica* (Lauraceae).

Distribution: Described from Sri Lanka and recorded from China.

***Helionothrips cephalicus* Hood, 1954**

- https://thrips.info/wiki/Helionothrips_cephalicus

Material

- a. scientificNameAuthorship: *Helionothrips cephalicus* Hood; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Forest); decimalLatitude: 22.109802; decimalLongitude: 100.87078; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-iii-11; individualCount: 5; sex: 2 males, 3 females; lifeStage: adults; recordedBy: L.Y.J. & Z.H.R.; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt14



Figure 8. [doi](#)

Female of *Helionothrips cephalicus* Hood, 1954.

Diagnosis: Female fully winged; body dark brown (Fig. 8); head wider than long, strongly reticulate, not projecting in front of eyes; ocellar region elevated, occipital ridge present; two pairs of postocular setae; maxillary palps 2-segmented; antennal segment II prominently darker than VI; male pore glands on sternite VIII only.

Feeds on: leaves and collected from Anacardiaceae and Poaceae.

Distribution: Described from Japan and recorded from China (Sichuan, Taiwan and Yunnan).

Helionothrips mube Kudo, 1992

- https://thrips.info/wiki/Helionothrips_mube

Material

- scientificNameAuthorship: *Helionothrips mube* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Protected Area); decimalLatitude: 22.177291; decimalLongitude: 100.890327; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017; individualID: 2017-iii-10; individualCount: 5; sex: 2 males, 3 females; lifeStage: adults; recordedBy: Z.H.R; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt15

Feeds on: leaves and collected from taro, papaya, Poaceae, vines.

Distribution: Described from Japan (Nagasaki, Inasayama) and recorded from China (Shanxi, Taiwan and Yunnan).

Helionothrips parvus Bhatti, 1968

- https://thrips.info/wiki/Helionothrips_parvus

Material

- scientificNameAuthorship: *Helionothrips parvus* Bhatti; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.177291; decimalLongitude: 100.861869; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-iii-11; individualCount: 7; sex: 2 males, 6 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt16

Feeds on: leaves, collected from Poaceae and Ferns.

Distribution: Described from India and recorded from China (Guangxi, Yunnan).

***Helionothrips rugatus* Mirab-balou & Tong, 2016**

- https://thrips.info/wiki/Helionothrips_rugatus

Material

- a. scientificNameAuthorship: *Helionothrips rugatus* Mirab-balou & Tong; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected Area), Mengla (Menglun); decimalLatitude: 22.179968; decimalLongitude: 100.849508; samplingProtocol: sweeping and shaking; eventDate: 24/03/2017, 24/10/2017, 31/05/2018, 01/06/2018; individualID: 2018-vi-1|2018-v-31|2017-iii-24|2017-x-24; individualCount: 24; sex: 6 males, 18 female; lifeStage: adults; recordedBy: E.N, L.Y.J, X.Y.L & Z.H.R; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt17

Feeds on: leaves and collected from Poaceae, Cornaceae, blackberries, ferns, *Lophatherum gracile* and *Pueraria*.

Distribution: Described from Guangdong, distributed from Guangxi and Yunnan Provinces of China.

***Helionothrips shennongjiaensis* Feng, Yang & Zhang, 2007**

- https://thrips.info/wiki/Helionothrips_shennongjiaensis

Material

- a. scientificNameAuthorship: *Helionothrips shennongjiaensis* Feng, Yang & Zhang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Rain Forest); decimalLatitude: 21.922967; decimalLongitude: 101.184971; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-x-24; individualCount: 13; sex: 5 males, 8 females; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt18

Feeds on: leaves, collected from wide host plants.

Distribution: Described from Hubei China and distributed from Yunnan, Guangdong and Hainan Provinces (Feng et al. 2007).

Heliothrips longisensibilis Xie, Mound & Zhang, 2019

- https://thrips.info/wiki/Heliothrips_longisensibilis

Material

- scientificNameAuthorship: *Heliothrips longisensibilis* Xie, Mound & Zhang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.918541; decimalLongitude: 101.184828; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017, 24/03/2017, 30/05/2018; individualID: 2017-iii-11|2018-v-30|2017-x-24; individualCount: 12; sex: 3 males, 9 females; lifeStage: adults; recordedBy: L.H & X.Y.L; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt19

Feeds on: leaves, collected from tea, *Pinus*, ferns, *Tecoma stans*.

Distribution: Described from Xishuangbanna, Yunnan Province, China (Xie et al. 2019).

Panchaetothrips bifurcus Mirab-balou & Tong, 2016

- https://thrips.info/wiki/Panchaetothrips_bifurcus

Material

- scientificNameAuthorship: *Panchaetothrips bifurcus* Mirab-balou & Tong; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Rain Forest); decimalLatitude: 21.914651; decimalLongitude: 101.186983; samplingProtocol: sweeping and shaking; eventDate: 02/06/2018; individualID: 2018-VI-2; individualCount: 9; sex: 3 males, 6 females; lifeStage: adults; recordedBy: X.Y.L & E.N; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt20

Diagnosis: Female fully winged; body dark brown (Fig. 9); head longer than wide, strongly reticulate, not projecting in front of eyes; two pairs of postocular setae; maxillary palps 2-segmented. Antennae 8-segmented, segment I without paired dorso-apical setae; III and IV with simple sense cones or forked, IV with or without extra simple sense cone. Pronotum transversely reticulate, no long setae; mesonotum reticulate without anteromedian campaniform sensilla.

Feeds on: leaves, collected from Poaceae, Cornaceae, blackberries, ferns and *Pueraria*.

Distribution: Described from Hainan, distributed from Guangdong and Jiangxi Provinces, China.



Figure 9. [doi](#)

Female of *Panchaetothrips bifurcus* Mirab-balou & Tong, 2016.

***Panchaetothrips indicus* Bagnall, 1912**

- https://thrips.info/wiki/Panchaetothrips_indicus

Material

- scientificNameAuthorship: *Panchaetothrips indicus* Bagnall; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Protected Area); decimalLatitude: 21.916663; decimalLongitude: 101.193451; samplingProtocol: sweeping and shaking; eventDate: 30/09/2011; individualID: 2011-ix-30; individualCount: 18; sex: females; lifeStage: adults; recordedBy: X.Y.L & S.J; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T121

Feeds on: leaves and flowers, collected from coffee trees, bananas and bamboo.

Distribution: Described from India and recorded from China.

***Phibalothrips peringueyi* (Faure, 1925)**

- https://thrips.info/wiki/Phibalothrips_peringueyi

Nomenclature:

Reticulothrips peringueyi Faure, 1925: 145.

Material

- scientificNameAuthorship: *Phibalothrips peringueyi* (Faure); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.923101; decimalLongitude: 101.200925; samplingProtocol: sweeping

and shaking; eventDate: 31/05/2018, 02/08/2018; individualID: 2018-viii-2|2018-v-31; individualCount: 3; sex: females; lifeStage: adults; recordedBy: T.X.L; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt22

Feeds on: leaves and flowers, collected from Poaceae and bamboo.

Distribution: Described from South Africa, recorded from Taiwan and south China.

Phibalothrips rugosus Kudo, 1979

- https://thrips.info/wiki/Phibalothrips_rugosus

Material

- a. scientificNameAuthorship: *Phibalothrips rugosus* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.919882; decimalLongitude: 101.191583; samplingProtocol: sweeping and shaking; eventDate: 03/05/2018, 02/08/2018; individualID: 2018-viii-2|2018-v-3; individualCount: 6; sex: 2 males, 4 females; lifeStage: adults; recordedBy: E.N. & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt23



Figure 10. [doi](#)

Female of *Phibalothrips rugosus* Kudo, 1979.

Diagnosis: Female macropterous; body bicoloured (Fig. 10), head and thorax dark brown and constricted behind eye, abdomen yellow; legs and antennal segments III–V yellow; fore wing slender, uniformly pale or a little darker at base, with no long setae; antennae 6-segmented, V–VII form single unit; sensoria on III and IV slender, each with one simple sensorium. Male similar to female, but smaller, without pore plate at

sternites III–VII. The distinctive feature of this genus is an elongated head that is strongly irregular, circular reticulated and constricted behind the eyes.

Feeds on: leaves, collected from Poaceae and bamboo.

Distribution: Described from Malaysia and recorded from Japan and China (Xishuangbanna).

Notes: Newly recorded for China.

***Rhipiphorothrips concoloratus* Zhang & Tong, 1993**

- https://thrips.info/wiki/Rhipiphorothrips_concoloratus

Material

- scientificNameAuthorship: *Rhipiphorothrips concoloratus* Zhang & Tong; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.935842; decimalLongitude: 101.248356; samplingProtocol: sweeping and shaking; eventDate: 11/04/1987; individualID: 1987-iv-11; individualCount: 2; sex: 1 male, 1 female; lifeStage: adults; recordedBy: Z.W.Q; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt24

Feeds on: leaves collected from hibiscus and grape.

Distribution: Described from southern China (Xishuangbanna).

***Rhipiphorothrips cruentatus* Hood, 1919**

- https://thrips.info/wiki/Rhipiphorothrips_cruentatus

Nomenclature:

Rhipiphorothrips cruentatus Hood, 1919: 94 | *Rhipiphorothrips* Karna Ramakrishna, 1928: 252.

Material

- scientificNameAuthorship: *Rhipiphorothrips cruentatus* Hood; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.926454; decimalLongitude: 101.254249; samplingProtocol: sweeping and shaking; eventDate: 22/09/1998; individualID: 1998-ix-22; individualCount: 1; sex: female; lifeStage: adults; recordedBy: W.Q.L; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt25

Diagnosis: Female macropterous; body dark brown (Fig. 11), antennae and legs largely yellow, fore wing pale with yellow veins; Head with complex irregular sculpture, cheeks

sharply incut behind eyes and constricted to basal neck; antennae 8-segmented, segments III & IV with simple sensorium; VIII more than twice as long as VII. Pronotum without long setae; mesonotum with complete longitudinal division, metanotum with well developed reticulate triangle with a pair of minute setae near posterior and a pair of campaniform sensilla. Fore wing rounded at apex with 2 slender cilia; Abdominal tergites III–VIII with grooved medially, with 1 pair of strong median setae; tergites strongly sculptured laterally. Male similar to the female, but smaller with small circular pore plate on anterior margin of sternites III–VII.



Figure 11. [doi](#)

Female of *Rhipiphorothrips cruentacus* Hood, 1919.

Feeds on: leaves and collected from grape.

Distribution: Described from India and recorded from China (Xishuangbanna).

***Rhipiphorothrips pulchellus* Morgan, 1913**

- https://thrips.info/wiki/Rhipiphorothrips_pulchellus

Nomenclature:

Rhipiphorothrips pulchellus Morgan, 1913: 17 | *Retithrips bicolor* Bagnall, 1913: 290.

Material

- scientificNameAuthorship: *Rhipiphorothrips pulchellus* Morgan; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.930611; decimalLongitude: 101.258129; samplingProtocol: sweeping and shaking; eventDate: 17/11/2018; individualID: 2018-xi-17; individualCount: 10; sex: 4 males, 6 females; lifeStage: adults; recordedBy: X.Y.L.; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt26

Diagnosis: *R. pulchellus* differs from other species of the same genus by the yellow pronotum and abdominal segments (Fig. 12) and the male does not have a tubercle laterally on abdominal segment IV.



Figure 12. [doi](#)

Male of *Rhipiphorothrips pulchellus* Morgan, 1913.

Feeds on: leaves and collected from grape and a wide range of fruits.

Distribution: Described from Sri Lanka and the Philippines. Recorded from India, Indonesia and China (Xishuangbanna).

Selenothrips rubrocinctus (Giard, 1901)

- https://thrips.info/wiki/Selenothrips_rubrocinctus

Nomenclature:

Physopus rubrocincta Giard, 1901: 264 | *Heliiothrips* (*Selenothrips*) *decolor* Karny, 1911: 179 | *Heliiothrips* (*Selenothrips*) *mendax* Schmutz, 1913: 994 | *Brachyurothrips indicus* Bagnall, 1926: 98.

Material

- scientificNameAuthorship: *Selenothrips rubrocinctus* (Giard); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.937451; decimalLongitude: 101.257842; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-x-24; individualCount: 4; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Xie Yanlan; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt27

Diagnosis: Both sexes macropterous; female about 1.2 mm in length (Fig. 13); dark brown to black body underlain by red pigment chiefly in the first three abdominal segments; the anal segments retain a reddish-black colour and the wings are dark, male similar to female, but smaller.



Figure 13. [doi](#)

Female of *Selenothrips rubrocinctus* Giard, 1901.

Feeds on: leaves and collected from Rosaceae.

Distribution: Described from Sri Lanka and recorded in West Papua, Indonesia, India, China and widely distributed from Subtropical zone.

Zaniothrips ricini Bhatti, 1967

- https://thrips.info/wiki/Zaniothrips_ricini

Material

- scientificNameAuthorship: *Zaniothrips ricini* Bhatti; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.932623; decimalLongitude: 101.271352; samplingProtocol: sweeping and shaking; eventDate: 12/05/2019; individualID: 2019-v-12; individualCount: 3; sex: females; lifeStage: adults; recordedBy: E.N & X.Y.L; identifiedBy: Xie Yanlan; dateIdentified: 2019; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt28

Diagnosis: Female macropterous, body brown to paler (Fig. 14); head wider than long, weakly reticulated with broad reticulate posterior collar; ocellar setae I present, II longer than III; three pairs of well-developed postocular setae; maxillary palps 2-segmented; antennae 8- segmented, segment I without paired dorso-apical setae; III with sense cone forked, IV with one forked and one simple sense cones. Pronotal with or without

weak sculptures; metanotum weakly reticulate, median setae close to posterior margin, campaniform sensilla present; fore wing with anterior margin fringe cilia shorter than costa setae.



Figure 14. [doi](#)

Female of *Zaniothrips ricini* Bhatti, 1978.

Feeds on: leaves and collected from Moraceae.

Distribution: Described in India and recorded from China (Xishuangbanna).

Subfamily Dendrothripinae

Dendrothrips minowai Priesner, 1935

- https://thrips.info/wiki/Dendrothrips_minowai

Nomenclature:

Dendrothrips schimae Kudo, 1989: 42. Synonymised by Wang et al. (2019).

Material

- scientificNameAuthorship: *Dendrothrips minowai* Priesner; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai (Protected area), Mengla (Menglun); decimalLatitude: 21.923369; decimalLongitude: 101.276527; samplingProtocol: sweeping and shaking; eventDate: 06/04/2009, 02/12/2009, 05/12/2009; startDayOfYear: |2009-XII-2|2009-IV-6; individualID: 2009-XII-5|2009-XII-2|

2009-IV-6; individualCount: 100; sex: 12 males, 88 females; lifeStage: adults; recordedBy: J.M.M; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt29

Feeds on: leaves, collected from tea leaves, Poaceae and *Spatholobus suberectus* Dunn.

Distribution: Described from Japan. Recorded from Nepal and China (Xishuangbanna).

***Dendrothrips strasseni* Bhatti, 1971**

- https://thrips.info/wiki/Dendrothrips_strasseni

Material

- a. scientificNameAuthorship: *Dendrothrips strasseni* Bhatti; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected Area); decimalLatitude: 21.915456; decimalLongitude: 101.275664; samplingProtocol: sweeping and shaking; eventDate: 03-15-09; individualID: 2009-III-15; individualCount: 9; sex: females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt30

Feeds on: leaves and collected from *Populus tremula* (Salicaceae).

Distribution: Described from India and recorded from China (Xishuangbanna).

***Filicopsotrips pulcher* Li, Yuan & Zhang, 2020**

- https://thrips.info/wiki/Filicopsotrips_pulcher

Material

- a. scientificNameAuthorship: *Filicopsotrips pulcher* Li, Yuan & Zhang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.911298; decimalLongitude: 101.285581; samplingProtocol: sweeping and shaking; eventDate: 21/05/2018; individualID: 2018-v-21; individualCount: 1; sex: female; lifeStage: adults; recordedBy: L.H & E.N; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt31

Diagnosis: Female fully winged, body bicoloured (Fig. 15); head brown laterally and at anterior, white medially; antennal segments I–IV brown, V–IX paler, VI with sense cone on basal half; pronotum shaded on lateral margins, with two longitudinal brown markings laterally; abdominal tergites paler; fore wing brown and all legs paler.



Figure 15. [doi](#)

Female of *Filicopsotrips pulcher* Li, Yuan & Zhang, 2020.

Feeds on: leaves and collected from grasses (Poaceae).

Distribution: Described from China (Xishuangbanna) (Li et al. 2020).

***Pseudodendrothrips bhattii* Kudo, 1984**

- https://thrips.info/wiki/Pseudodendrothrips_bhattii

Material

- a. scientificNameAuthorship: *Pseudodendrothrips bhattii* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.914786; decimalLongitude: 101.291474; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-X-24; individualCount: 2; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T132

Feeds on: leaves and collected from *Senegalia pennata* (Fabaceae).

Distribution: Described from Japan and recorded from China (Xishuangbanna).

***Pseudodendrothrips mori* (Niwa, 1908)**

- https://thrips.info/wiki/Pseudodendrothrips_mori

Nomenclature:

Belothrips mori Niwa, 1908: 180 | *Graphidothrips stuardoi* Moulton, 1930: 273.

Material

- a. scientificNameAuthorship: *Pseudodendrothrips mori* (Niwa); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai (Protected Area); decimalLatitude: 21.92404; decimalLongitude: 101.28515; samplingProtocol: sweeping and shaking; eventDate: 29/04/2010, 24/10/2017; individualID: 2010-IV-29|2017-X-24; individualCount: 11; sex: 4 males, 7 females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt33

Feeds on: leaves and collected from *Senegalia pennata* (Fabaceae).

Distribution: Described from Japan. Recorded from China, Korea, Taiwan, Australia, Italy, Chile and USA (California, Georgia, Maryland, Illinois).

Pseudodendrothrips pueraria Zhang & Tong, 1990

- https://thrips.info/wiki/Pseudodendrothrips_puerariae

Material

- a. scientificNameAuthorship: *Pseudodendrothrips pueraria* Zhang & Tong; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglung); decimalLatitude: 21.926856; decimalLongitude: 101.317346; samplingProtocol: sweeping and shaking; eventDate: 07/04/1987; individualID: 1987-IV-7; individualCount: 1; sex: female; lifeStage: adults; recordedBy: Z.W.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt34

Feeds on: leaves and collected from *Pueraria montana* (Fabaceae).

Distribution: Described from China (Xishuangbanna).

Subfamily Sericothripinae

Hydatothrips aureus Bhatti, 1973

- https://thrips.info/wiki/Hydatothrips_aureus

Material

- a. scientificNameAuthorship: *Hydatothrips aureus* Bhatti; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.927891; decimalLongitude: 101.311502; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-X-24; individualCount: 5; sex: 2 males, 3 females; lifeStage: adults; recordedBy: L.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt35

Feeds on: flowers and collected from *Callerya dielsiana* (Papilionaceae).

Distribution: Described from India and worldwide distributed.

***Hydatothrips dorax* Bhatti, 1973**

- https://thrips.info/wiki/Hydatothrips_dorax

Material

- a. scientificNameAuthorship: *Hydatothrips dorax* Bhatti; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.959907; decimalLongitude: 100.463502; samplingProtocol: sweeping and shaking; eventDate: 10/02/2017; individualID: 2017-II-10; individualCount: 4; sex: 2 males, 2 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T136

Feeds on: flowers and collected from grasses (Poaceae).

Distribution: Described from India and recorded from China (Xishuangbanna).

***Hydatothrips flavidus* Wang, 2007**

- https://thrips.info/wiki/Hydatothrips_flavidus

Material

- a. scientificNameAuthorship: *Hydatothrips flavidus* Wang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959857; decimalLongitude: 100.46016; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 2; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T137

Feeds on: flowers and collected from *Litchi chinensis* (Sapindaceae).

Distribution: Described from Taiwan and distributed from China (Yunnan Province).

***Neohydatothrips plynopygus* (Karny, 1925)**

- https://thrips.info/wiki/Neohydatothrips_plynopygus

Nomenclature:

Anaphothrips plynopygus Karny, 1925: 29 | *Zonothrips luridus* Ananthakrishnan, 1968: 115.

Material

- a. scientificNameAuthorship: *Neohydatothrips plynopygus* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Naban He Protected Area); decimalLatitude: 21.963879; decimalLongitude: 100.457142; samplingProtocol: sweeping and shaking; eventDate: 11/02/2017; individualID: 2017-II-11; individualCount: 8; sex: 2 males, 6 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt38

Feeds on: flowers and leaves, collected from raspberry and congo grass.

Distribution: Described from Indonesia and India. Recorded from Singapore, Taiwan, China (Yunnan Province) and Australia.

Neohydatothrips Samayunkur (Kudo, 1995)

- https://thrips.info/wiki/Neohydatothrips_samayunkur

Nomenclature:

Hydatothrips (*Neohydatothrips*) *samayunkur* Kudo, 1995: 169.

Material

- a. scientificNameAuthorship: *Neohydatothrips Samayunkur* (Kudo); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden), Jinghong (Nabanhe Protected Area); decimalLatitude: 21.954225; decimalLongitude: 100.44859; samplingProtocol: sweeping and shaking; eventDate: 02/10/2011; individualID: 2011-X-2; individualCount: 12; sex: females; lifeStage: adults; recordedBy: X.Y.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt39

Feeds on: flowers and leaves, collected from *Tagetes erecta* (Asteraceae).

Distribution: Described from Japan. Recorded in Hawaii, Florida, Australia, Kenya, South Africa, Mauritius, New Zealand, Mexico, Taiwan and China (Yunnan Province).

Subfamily Thripinae

Amomothrips associatus (Priesner, 1938)

- https://thrips.info/wiki/Amomothrips_associatus

Nomenclature:

Taeniothrips associatus Priesner, 1938: 483.

Material

- a. scientificNameAuthorship: *Amomothrips associatus* (Priesner); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.962539; decimalLongitude: 100.446218; samplingProtocol: sweeping and shaking; eventDate: 30/09/2011; individualID: 2011-IX-30; individualCount: 6; sex: 2 males, 4 females; lifeStage: adults; recordedBy: X.Y.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt40

Diagnosis: Female fully-winged; body dark brown (Fig. 16), all legs brown, except yellow apicals of tibia and tarsi; antenna segments I–II dark brown, III brown with apex light brown, segments IV–VIII brown; fore wing brown, head longer than wider with sculpture, close striates behind eyes, cheeks slightly constricted; antenna 8-segmented, segment I without dorso-apical setae, III & IV with long and forked sensoria, III with pedicel; pronotum wider than long, sculptured with close transverse striations with four pairs of posteromarginal setae. Male similar to female, but smaller.



Figure 16. [doi](#)

Female of *Amomothrips associatus* (Bhatti, 1978).

Feeds on: flowers and collected from *Alpinia vittata* (Zingiberaceae).

Distribution: Described from Malaysia and China (Yunnan Province).

Anaphothrips floralis Karny, 1922

- https://thrips.info/wiki/Anaphothrips_floralis

Material

- a. scientificNameAuthorship: *Anaphothrips floralis* Karny; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden);

decimalLatitude: 21.963879; decimalLongitude: 100.359622; samplingProtocol: sweeping and shaking; eventDate: 17/04/2009; individualID: 2009-IV-17; individualCount: 1; sex: female; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt41

Feeds on: flowers and collected from dandelion and allium (Fabaceae and Liliaceae).

Distribution: Described from Vietnam and recorded from China (Xishuangbanna).

Anaphothrips incertus (Girault, 1929)

- https://thrips.info/wiki/Anaphothrips_incertus

Nomenclature:

Limothrips incertus Girault, 1929: 3.

Material

- scientificNameAuthorship: *Anaphothrips incertus* (Girault); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.045911; decimalLongitude: 100.479779; samplingProtocol: sweeping and shaking; eventDate: 28/05/2018; individualID: 2018-V-28; individualCount: 1; sex: female; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt42

Feeds on: flowers and collected from *Kyllinga brevifolia* (Poaceae).

Distribution: Described from Queensland. Recorded from Australia and China (Xishuangbanna).

Anascirtothrips discordiae Chen & Lu, 1994

- https://thrips.info/wiki/Anascirtothrips_discordiae

Material

- scientificNameAuthorship: *Anascirtothrips discordiae* Chen & Lu; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.917631; decimalLongitude: 100.407825; samplingProtocol: sweeping and shaking; eventDate: 24/06/2017; individualID: 2017-VI-24; individualCount: 1; sex: female; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt43

Feeds on: leaves, collected from ficus, *Vitis amurensis*.

Distribution: Described from Taiwan and recorded from China (Xishuangbanna).

***Arorathrips mexicanus* (Crawford DL, 1909)**

- https://thrips.info/wiki/Arorathrips_mexicanus

Nomenclature:

Chirothrips mexicana Crawford DL, 1909: 114 | *Chirothrips floridensis* Watson, 1920: 22 | *Chirothrips catchingsi* Watson, 1924: 76. *Chirothrips saltensis* Tapia, 1952: 109

Material

- scientificNameAuthorship: *Arorathrips mexicanus* (Crawford DL); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Forest Park), Jinghong (Nabanhe Protected Area, Ye Xianggu); decimalLatitude: 21.961529; decimalLongitude: 100.462693; samplingProtocol: sweeping and shaking; eventDate: 22/10/2017; individualID: 2017-X-22; individualCount: 2; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt44

Feeds on: Flower and collected from grasses (Poaceae).

Distribution: Described from Mexico. Recorded from New Orleans, Louisiana, Florida, Argentina and China.

***Aroidothrips longistylus* Ananthakrishnan, 1960**

- https://thrips.info/wiki/Aroidothrips_longistylus

Material

- scientificNameAuthorship: *Aroidothrips longistylus* Ananthakrishnan; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.96147; decimalLongitude: 100.462909; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017, 22/10/2017, 25/03/2017, 27/05/2018; individualID: 2017-III-11|2017-III-11|2017-III-25|2017-X-22|2018-V-27|2018-V-27; individualCount: 8; sex: 1 males, 7 females; lifeStage: adults; recordedBy: L.Y.J, X.Y.L & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt45

Feeds on: Further researches are needed to identify the species feeding habits. Collected from Chloranthaceae, *Ficus vasculosa*, *Pittosporopsis kerrii* (Alseuosmiaceae).

Distribution: Described from India and recorded from China (Xishuangbanna).

***Ayyaria chaetophora* Karny, 1926**

- https://thrips.info/wiki/Ayyaria_chaetophora

Nomenclature:

Bussothrips claratibia Moulton, 1935: 475 | *Parafrankliniella fasciatus* Kurosawa, 1937: 271 | *Parafrankliniella subfasciatus* Kurosawa, 1968: 24.

Material

- scientificNameAuthorship: *Ayyaria chaetophora* Karny; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959819; decimalLongitude: 100.460016; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017, 16/02/2019; individualID: 2019-II-16|2017-III-11; individualCount: 2; sex: females; lifeStage: adults; recordedBy: L.Y.J, S.S.Q, & E.N; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T46

Feeds on: leaves, collected from *Litchi chinensis* and mango.

Distribution: Described from India. Recorded from Japan and China (Xishuangbanna).

***Bathrips jasmineae* Ananthkrishnan, 1968**

- https://thrips.info/wiki/Bathrips_jasmineae

Material

- scientificNameAuthorship: *Bathrips jasmineae* Ananthkrishnan; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden), Jinghong (Nabanhe Protected area + Botanical Garden); decimalLatitude: 21.959811; decimalLongitude: 100.463996; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 7; sex: 1 males, 6 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T47

Feeds on: leaves, collected from golden privet, tea, jasmine, *Osmanthus fragrans*.

Distribution: Described from India and recorded from southern China.

***Bathrips melanicornis* (Shumsher, 1946)**

- https://thrips.info/wiki/Bathrips_melanicornis

Nomenclature:

Taeniothrips melanicornis Shumsher, 1946: 179 | *Taeniothrips ipomoeae* Zhang, 1981: 324. Synonymised by Mirab-Balou et al. (2012).

Material

- a. scientificNameAuthorship: *Bathrips melanicornis* (Shumsher); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.957163; decimalLongitude: 100.46193; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 4; sex: 2 males, 2 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt48

Feeds on: leaves, collected from sweet potato, *Lantana camara*, mango tree, beans and eggplant.

Distribution: Described from Myanmar, China (Guangdong & Yunnan Province). Recorded from India, Malaysia, Indonesia, Thailand, East Timor, Australia and Iran.

***Bolacothrips graminis* Priesner, 1930**

- https://thrips.info/wiki/Bolacothrips_graminis

Material

- a. scientificNameAuthorship: *Bolacothrips graminis* Priesner; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.957615; decimalLongitude: 100.462244; samplingProtocol: sweeping and shaking; eventDate: 27/11/2011; individualID: 2011-XII-27; individualCount: 4; sex: 2 males, 2 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt49

Feeds on: leaves and collected from Poaceae.

Distribution: Described from Egypt and recorded from China (Xishuangbanna).

***Bolacothrips striatopennata* (Schmutz, 1913)**

- https://thrips.info/wiki/Bolacothrips_striatopennatus

Nomenclature:

Thrips striatopennata Schmutz, 1913: 1002 | *Bolacothrips orientalis* Priesner, 1935: 359 | *Bolacidothrips orizae* Moulton, 1942: 10.

Material

- a. scientificNameAuthorship: *Bolacothrips striatopennata* (Schmutz); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden + Bubang Village); decimalLatitude: 21.957733; decimalLongitude: 100.459298; samplingProtocol: sweeping and shaking; eventDate: 21/10/2017, 22/10/2017; individualID: 2017-X-21|2017-X-22; individualCount: 2; sex: females; lifeStage: adults;

recordedBy: Z.H.R.; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt50

Feeds on: leaves and collected from Poaceae.

Distribution: Described from Guam Island (USA). Recorded from Taiwan, China (Yunnan Province), Sri Lanka and Japan.

***Bregmatothrips sinensis* Wang & Tong, 2016**

- https://thrips.info/wiki/Bregmatothrips_sinensis

Material

- a. scientificNameAuthorship: *Bregmatothrips sinensis* Wang & Tong; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden + Mansha Village), Jinghong (Nabanhe Protected Area + Botanical Garden); decimalLatitude: 21.957733; decimalLongitude: 100.459298; samplingProtocol: sweeping and shaking; eventDate: 02/08/2018; individualID: 2018-VIII-2; individualCount: 3; sex: females; lifeStage: adults; recordedBy: E.N & L.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt51

Feeds on: leaves and collected from Poaceae.

Distribution: Described from Guangdong, China (Wang et al. 2016) and recorded in Xishuangbanna, Yunnan Province.

***Chaetanaphothrips longisetis* Nonaka & Okajima, 1992**

- https://thrips.info/wiki/Chaetanaphothrips_longisetis

Material

- a. scientificNameAuthorship: *Chaetanaphothrips longisetis* Nonaka & Okajima; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Bubang Village); decimalLatitude: 21.993361; decimalLongitude: 100.958531; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 2; sex: 1 male, 1 female; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt52

Feeds on: leaves and collected from oak tree.

Distribution: Described from Taiwan and distributed from China (Yunnan Province).

***Chaetanaphothrips orchidii* (Moulton, 1907)**

- https://thrips.info/wiki/Chaetanaphothrips_orchidii

Nomenclature:

Euthrips orchidii Moulton, 1907: 52 | *Euthrips marginemtorquens* Karny, 1914: 362.

Material

- scientificNameAuthorship: *Chaetanaphothrips orchidii* (Moulton); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden + Mansha Village), Jinghong (Nabanhe Protected area+ Botanical garden); decimalLatitude: 21.978615; decimalLongitude: 100.942433; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017, 12/03/2017, 22/10/2017; individualID: 2017-III-10|2017-III-12|2017-X-22; individualCount: 5; sex: females; lifeStage: adults; recordedBy: L.Y.J. & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt53

Feeds on: leaves and collected from *Pueraria montana*.

Distribution: Described from Indonesia and widespread around the world.

***Chaetanaphothrips querci* Kudo, 1985**

- https://thrips.info/wiki/Chaetanaphothrips_querci

Material

- scientificNameAuthorship: *Chaetanaphothrips querci* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.978615; decimalLongitude: 100.942433; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-X-24; individualCount: 1; sex: female; lifeStage: adults; recordedBy: L.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt54

Feeds on: leaves and collected from tea leaves.

Distribution: Described from Japan and recorded from China.

***Chaetanaphothrips theiperdus* (Karny, 1921)**

- https://thrips.info/wiki/Chaetanaphothrips_theiperdus

Nomenclature:

Anaphothrips theiperdus Karny, 1921: 69 | *Chaetanaphothrips taiwanus* Sakimura, 1974: 319.

Material

- a. scientificNameAuthorship: *Chaetanaphothrips theiperdus* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.027942; decimalLongitude: 100.891984; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-X-24; individualCount: 1; sex: female; lifeStage: adults; recordedBy: L.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt56

Feeds on: leaves and collected from tea leaves.

Distribution: Described from Indonesia (Java). Recorded from Japan (Kannanzan), Taiwan and China (Yunnan Province).

Cricothrips bourbonensis (Bournier & Bournier, 1988)

- https://thrips.info/wiki/Cricothrips_bourbonensis

Nomenclature:

Moundiella bourbonensis Bournier & Bournier, 1988: 68.

Material

- a. scientificNameAuthorship: *Cricothrips bourbonensis* (Bournier & Bournier); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.978615; decimalLongitude: 100.942433; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017, 08/10/2018; individualID: 2017-III-10|2018-X-8; individualCount: 4; sex: 2 males, 2 females; lifeStage: adults; recordedBy: Z.C.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt55

Feeds on: leaves and collected from mosses.

Distribution: Described from Reunion Island (Mare Longue) and recorded from southern China.

Danothrips theivorus (Karny, 1921)

- https://thrips.info/wiki/Danothrips_theivorus

Nomenclature:

Anaphothrips theivorus Karny, 1921: 75 | *Danothrips dianellae* Zhang & Tong, 1991: 465.

Material

- a. scientificNameAuthorship: *Danothrips theivorus* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.03357; decimalLongitude: 100.933953; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017, 22/10/2018; individualID: 2017-III-10|2017-X-22; individualCount: 4; sex: females; lifeStage: adults; recordedBy: S.B & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt57

Feeds on: flowers, young fruits, leaves. Collected from banana and camphor tree.

Distribution: Described from Indonesia and recorded from China (Guangdong and Yunnan Provinces).

***Dendrothripoides poni* Kudo, 1977**

- https://thrips.info/wiki/Dendrothripoides_poni

Material

- a. scientificNameAuthorship: *Dendrothripoides poni* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai, Jinghong; decimalLatitude: 21.99068; decimalLongitude: 101.00438; samplingProtocol: sweeping and shaking; eventDate: 28/05/2018; individualID: 2018-V-28; individualCount: 7; sex: 2 males, 5 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt58

Feeds on: leaves, collected from Poaceae and Sterculiaceae.

Distribution: Described from Thailand. Recorded from Malaysia and southern China.

***Dendrothripoides innoxius* (Karny, 1914)**

- https://thrips.info/wiki/Dendrothripoides_innoxius

Nomenclature:

Euthrips innoxius Karny, 1914: 359 | *Dendrothripoides ipomoeae* Bagnall, 1923: 625 | *Tryphactothrips mediosignatus* Karny, 1925: 34 | *Tryphactothrips mundus* Karny, 1926: 190 | *Heliothrips ipomoeae* Bondar, 1930: 18 | *Scirtothrips gladii seta* Girault, 1933: 2.

Material

- a. scientificNameAuthorship: *Dendrothripoides innoxius* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.996042; decimalLongitude: 101.000931; samplingProtocol: sweeping and shaking; eventDate: 1/03/2017, 24/10/2017, 28/05/2018; individualID: 2018-V-28|2017-III-11|2017-X-24; individualCount: 12; sex: 3 males, 9 females; lifeStage: adults; recordedBy: L.Y.J &

Y.X.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt59

Feeds on: leaves and collected from potato leaves.

Distribution: Described from Indonesia. Recorded from India, China, Brazil, Australia and Nepal. Widespread in the Oriental and Pacific Regions.

Dichromothrips nakahari Mound, 1976

- https://thrips.info/wiki/Dichromothrips_nakahari

Material

- scientificNameAuthorship: *Dichromothrips nakahari* Mound; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 21.980492; decimalLongitude: 100.999494; samplingProtocol: sweeping and shaking; eventDate: 02/10/2011; individualID: 2011-X-2; individualCount: 3; sex: females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt60

Diagnosis: Female macropterous; body dark brown (Fig. 17); head weakly prolonged in front of eyes; antennae 8-segmented, segment I without paired dorso-apical setae, III and IV with long apical neck and long forked sense-cones, III–V with some microtrichial rows on both surfaces; pronotum with two pairs of long postero-angular setae subequally in length; posterolateral margins of tergites with well-developed microtrichia; metanotum weakly reticulated; abdominal tergites I–VIII without sculpture medially.



Figure 17. [doi](#)

Female of *Dichromothrips nakahari* Mound, 1976.

Feeds on: flowers and collected from dendrobium.

Distribution: Described from India. Recorded from China and USA.

Notes: New record for China

***Dichromothrips smithi* (Zimmermann, 1900)**

- https://thrips.info/wiki/Dichromothrips_smithi

Nomenclature:

Physopus smithi Zimmermann, 1900: 10.

Material

- scientificNameAuthorship: *Dichromothrips smithi* (Zimmermann); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village); decimalLatitude: 21.967621; decimalLongitude: 100.806322; samplingProtocol: sweeping and shaking; eventDate: 25/10/2017; individualID: 2017-X-25; individualCount: 9; sex: 4 males, 5 females; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt61

Feeds on: flowers, young fruits, leaves. Collected from dendrobium.

Distribution: Described from Indonesia. Recorded from India, Malaysia, Solomon Islands, Tokyo, Japan, Taiwan and China (Yunnan Province).

***Echinothrips americanus* Morgan, 1913**

- https://thrips.info/wiki/Echinothrips_americanus

Nomenclature:

Dictyothrips floridensis Watson, 1919: 2.

Material

- scientificNameAuthorship: *Echinothrips americanus* Morgan; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 21.920687; decimalLongitude: 101.186341; samplingProtocol: sweeping and shaking; eventDate: 09/03/2017, 25/10/2017; individualID: 2017-III-9|2017-X-25; individualCount: 11; sex: 2 males, 9 females; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt62

Feeds on: leaves and collected from *Alocasia macrorrhizos* (Araceae).

Distribution: Described in Florida. Introduced and widespread from different parts of the world.

***Ernothrips immsi* (Bagnall, 1926)**

- https://thrips.info/wiki/Ernothrips_immsi

Nomenclature:

Physothrips immsi Bagnall, 1926: 106.

Material

- scientificNameAuthorship: *Ernothrips immsi* (Bagnall); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.923772; decimalLongitude: 101.195684; samplingProtocol: sweeping and shaking; eventDate: 08/03/2009; individualID: 2009-III-08; individualCount: 5; sex: females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt63

Feeds on: flowers and leaves, collected from citrus.

Distribution: Described from India and recorded from China.

***Ernothrips lobatus* (Bhatti, 1967)**

- https://thrips.info/wiki/Ernothrips_lobatus

Nomenclature:

Thrips immsi Bagnall, 1926: 110 | *Thrips (Ernothrips) lobatus* Bhatti, 1967: 18.

Material

- scientificNameAuthorship: *Ernothrips lobatus* (Bhatti); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 21.923503; decimalLongitude: 101.201002; samplingProtocol: sweeping and shaking; eventDate: 24/03/2009, 11/10/2009, 23/01/2010; individualID: 2010-I-23|2009-III-24|2009-X-11; individualCount: 11; sex: females; lifeStage: adults; recordedBy: J.M.M & S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt64

Feeds on: flowers and leaves, collected from tea tree and chinese rose.

Distribution: Described from India. Recorded from China, Taiwan, Indonesia, Thailand, Japan and Malaysia.

Notes: This species has reported to be a successful pollinator in Dioscorea (Dioscoreaceae) (Li et al. 2014).

***Ernothrips longitudinalis* Zhou, Zhang & Feng, 2008**

- https://thrips.info/wiki/Ernothrips_longitudinalis

Material

- a. scientificNameAuthorship: *Ernothrips longitudinalis* Zhou, Zhang & Feng; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.926454; decimalLongitude: 101.257487; samplingProtocol: sweeping and shaking; eventDate: 16/02/2009, 24/03/2009; individualID: 2009-II-16|2009-III-24; individualCount: 2; sex: females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt65

Feeds on: flowers and leaves, collected from Brassicaceae.

Distribution: Described from Henan and distributed from Yunnan, China (Zhou et al. 2008).

***Frankliniella fusca* (Hinds, 1902)**

- https://thrips.info/wiki/Frankliniella_fusca

Nomenclature:

Euthrips fusca Hinds, 1902: 154 | *Euthrips nicotianae* Hinds, 1905: 198 | *Scirtothrips owreyi* Watson, 1924: 51.

Material

- a. vernacularName: Tobacco thrips; scientificNameAuthorship: *Frankliniella fusca* (Hinds); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden + Bubang Village), Jinghong (Nabanhe Protected Area + Botanical Garden); decimalLatitude: 21.923235; decimalLongitude: 101.25605; samplingProtocol: sweeping and shaking; eventDate: 15/09/2011; individualID: 2011-IX-15; individualCount: 9; sex: 2 males, 7 females; lifeStage: adults; recordedBy: Z.H.R.; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt66

Feeds on: flowers and fruits, collected from a wide range of host plants.

Distribution: Described from USA (Massachusetts) and worldwide distributed.

Notes: Vector of tomato spotted wilt virus (TSWV).

***Frankliniella intonsa* (Trybom, 1895)**

- https://thrips.info/wiki/Frankliniella_intonsa

Nomenclature:

Physopus vulgatissima var. *albicornis* Uzel, 1895: 96 | *Physopus vulgatissima* var. *fulvicornis* Uzel, 1895: 96 | *Physopus vulgatissima* var. *nigropilosa* Uzel, 1895: 96 | *Physapus brevistylis* Karny, 1908: 278 | *Frankliniella breviceps* Bagnall, 1911: 2 | *Frankliniella vicina* Karny, 1922: 94 | *Frankliniella intonsa* var. *maritima* Priesner, 1925: 165 | *Frankliniella formosae* Moulton, 1928: 324 | *Frankliniella formosae* f. *tricolor* Moulton, 1928: 325 | *Frankliniella intonsa* var. *rufula* Keler, 1936: 104 | *Frankliniella intonsa* f. *norashensis* Jakhontov & Jurbanov, 1957: 1279.

Material

- a. scientificNameAuthorship: *Frankliniella intonsa* (Trybom); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai, Jinghong; decimalLatitude: 21.910225; decimalLongitude: 101.272866; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017; individualID: 2017-III-10; individualCount: 10; sex: 2 males, 8 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt67

Feeds on: flowers and on leaves, collected from Cucurbitaceae, Fabaceae, Brassicaceae and Solanaceae.

Distribution: Described from Finland and worldwide distributed.

Frankliniella occidentalis (Pergande, 1895)

- https://thrips.info/wiki/Frankliniella_occidentalis

Nomenclature:

Euthrips occidentalis Pergande, 1895: 392 | *Euthrips tritici californicus* Moulton, 1911: 16 | *Euthrips helianthi* Moulton, 1911: 40 | *Frankliniella tritici moultoni* Hood, 1914: 38 | *Frankliniella nubila* Treherne, 1924: 84. Synonymised by Nakahara (1997) | *Frankliniella tritici maculata* Priesner, 1925: 15. Synonymised by Nakahara (1997) | *Frankliniella claripennis* Morgan, 1925: 142 | *Frankliniella canadensis* Morgan, 1925: 143. Synonym of *californicus* in Moulton (1948) | *Frankliniella trehernei* Morgan, 1925: 144 | *Frankliniella occidentalis brunnescens* Priesner, 1932: 182 | *Frankliniella occidentalis dubia* Priesner, 1932: 182 | *Frankliniella venusta* Moulton, 1936: 172 | *Frankliniella conspicua* Moulton, 1936: 173. Synonymised by Nakahara (1997) | *Frankliniella chrysanthemii* Kurosawa, 1941: 173 | *Frankliniella dahliae* Moulton, 1948: 97 | *Frankliniella dianthi* Moulton, 1948: 98. Synonymised by Mound and Marullo (1996) | *Frankliniella syringae* Moulton, 1948: 98. Synonymised by Mound and Marullo (1996) | *Frankliniella umbrosa* Moulton, 1948: 105. Synonymised by Nakahara (1997).

Material

- a. vernacularName: Western flowers thrips (WFT); scientificNameAuthorship: *Frankliniella occidentalis* (Pergande); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village; decimalLatitude: 21.935976;

decimalLongitude: 101.263955; samplingProtocol: sweeping and shaking; eventDate: 06/10/2015; individualID: 2015-X-6; individualCount: 6; sex: 1 male, 5 females; lifeStage: adults; recordedBy: K.B; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt68

Feeds on: flowers and leaves, collected from potatoes and banana flowers.

Distribution: Described from USA (California) and worldwide distributed.

Notes: Vector of tomato spotted wilt virus (TSWV).

Isunidothrips serangga Kudo, 1992

- https://thrips.info/wiki/Isunidothrips_serangga

Material

- scientificNameAuthorship: *Isunidothrips serangga serangga* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village); decimalLatitude: 21.920955; decimalLongitude: 101.289826; samplingProtocol: sweeping and shaking; eventDate: 02/06/2018; individualID: 2018-VI-2; individualCount: 1; sex: female; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt69

Feeds on: leaves, collected from fronds of ferns and Cyperaceae.

Distribution: Described from Malaysia and recorded from southern China.

Lefroythrips lefroyi (Bagnall, 1913)

- https://thrips.info/wiki/Lefroythrips_lefroyi

Nomenclature:

Physothrips lefroyi Bagnall, 1913: 292 | *Taeniothrips cuscutae* Priesner, 1938: 500 | *Taeniothrips (Lefroythrips) theiphilus* Priesner, 1938: 501 | *Taeniothrips devii* Arora & Bhatti, 1960: 141. Synonyms by Bhatti (1978).

Material

- scientificNameAuthorship: *Lefroythrips lefroyi* (Bagnall); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.706336; decimalLongitude: 101.511312; samplingProtocol: sweeping and shaking; eventDate: 22/10/2017, 26/05/2018; individualID: 2018-V-26|2017-X-22; individualCount: 732; sex: 121 males, 611 females; lifeStage: adults; recordedBy: E.N, L.Y.J & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt70

Feeds on: flowers, collected from tea tree, mango and papaya.

Distribution: Described from India. Recorded from Indonesia, China and widely introduced.

***Megalurothrips distalis* (Karny, 1913)**

- https://thrips.info/wiki/Megalurothrips_distalis

Nomenclature:

Taeniothrips distalis Karny, 1913: 122 | *Physothrips brunneicornis* Bagnall, 1916: 218 | *Taeniothrips infernalis* Priesner, 1938: 472 | *Taeniothrips morosus* Priesner, 1938: 476 | *Taeniothrips ditissimus* Ananthakrishnan & Jagadish, 1966: 250.

Material

- a. scientificNameAuthorship: *Megalurothrips distalis* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village); decimalLatitude: 21.643996; decimalLongitude: 101.789571; samplingProtocol: sweeping and shaking; eventDate: 21/05/2017; individualID: 2017-V-21; individualCount: 26; sex: 7 males, 19 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt71



Figure 18. [doi](#)

Female of *Megalurothrips distalis* (Karny, 1913).

Diagnosis: Female macropterous; Body dark brown (Fig. 18), head wider than long; eyes with five weakly-pigmented facets, ocellar setae I present, setae III elongate, presence of five pairs of postocular setae; antennae 8-segmented, segments III and IV with elongate forked sense cones, III-VI with some microtrichia on both surfaces, VI

with an elongate sense cone at the base. Adult male with spear-shaped sternal discal setae.

Feeds on: flowers, collected from *Erythrina variegata* L., *Psidium guava* and mango.

Distribution: Described from Japan and widely distributed.

***Megalurothrips typicus* Bagnall, 1915**

- https://thrips.info/wiki/Megalurothrips_typicus

Nomenclature:

Megalurothrips typicus Bagnall, 1915: 590 | *Megalurothrips setipennis* Karny, 1925: 32 | *Taeniothrips varicornis* Moulton, 1928: 292 | *Taeniothrips centrispinosus* Priesner, 1938: 474.

Material

- scientificNameAuthorship: *Megalurothrips typicus* Bagnall; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.851196; decimalLongitude: 100.953357; samplingProtocol: sweeping and shaking; eventDate: 22/10/2017, 23/10/2017, 24/10/2017, 28/05/2018; individualID: 2017-X-23|2017-X-24|2017-X-22|2018-V-28; individualCount: 36; sex: 8 males, 28 females; lifeStage: adults; recordedBy: L.Y.J, X.Y.L & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt72

Feeds on: flowers, collected from kalancho, mango and papaya.

Distribution: Described from Malaysia. Recorded from Indonesia, Taiwan and China.

***Megalurothrips usitatus* (Bagnall, 1913)**

- https://thrips.info/wiki/Megalurothrips_usitatus

Nomenclature:

Physothrips usitatus Bagnall, 1913: 293 | *Frankliniella nigricornis* Schmutz, 1913: 1020 | *Frankliniella obscuricornis* Schmutz, 1913: 1022 | *Frankliniella vitata* Schmutz, 1913: 1023 | *Physothrips cinctipennis* Bagnall, 1916: 217 | *Physothrips mjobergi* Karny, 1920: 37 | *Taeniothrips longistylus* Karny, 1922: 99.

Material

- scientificNameAuthorship: *Megalurothrips usitatus* (Bagnall); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village); decimalLatitude: 21.854416; decimalLongitude: 100.944158; samplingProtocol: sweeping and shaking; eventDate: 25/08/2016, 29/06/2016; individualID: 2016-VIII-29|2016-VIII-25; individualCount: 39; sex: 10 males, 29 females; lifeStage: adults; recordedBy: Y.X.Q;

identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt73

Feeds on: flowers, collected from Fabaceae, Poaceae and mango.

Distribution: Described from India and widely distributed.

***Microcephalothrips abdominalis* (Crawford DL, 1910)**

- https://thrips.info/wiki/Microcephalothrips_abdominalis

Nomenclature:

Thrips abdominalis Crawford DL, 1910: 157 | *Thrips femoralis* Jones, 1912: 4 | *Thrips crenatus* Watson, 1922: 35 | *Thrips microcephalus* Priesner, 1923: 116 | *Thrips (Ctenothripiella) gillettei* Moulton, 1926: 126 | *Stylothrips brevipalpis* Karny, 1926: 206 | *Paraphysopus burnsi* Girault, 1927: 2 | *Thrips oklahomae* Watson, 1931: 342 | *Microcephalothrips brevipalpis armatus* Ananthakrishnan, 1956: 133 | *Aureothrips marigoldae* Raizada, 1966: 278 | *Microcephalothrips chinensis* Feng, 1998: 257 | *Microcephalothrips jigongshanensis* Feng, 1998: 258 | *Microcephalothrips yanglinensis* Feng, Zhang & Sha, 2002: 167.

Material

- a. scientificNameAuthorship: *Microcephalothrips abdominalis* (Crawford DL); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.859515; decimalLongitude: 100.956519; samplingProtocol: sweeping and shaking; eventDate: 02/06/2018; individualID: 2018-VI-2; individualCount: 1; sex: female; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt74

Feeds on: flowers and collected from sunflower.

Distribution: Described from Mexico and widely distributed.

***Octothrips bhattii* (Wilson, 1972)**

- https://thrips.info/wiki/Octothrips_bhattii

Nomenclature:

Apollothrips bhattii Wilson, 1972: 52 | *Octothrips lygodii* Mound, 2002: 219.

Material

- a. scientificNameAuthorship: *Octothrips bhattii* (Wilson); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected Area); decimalLatitude: 22.011754; decimalLongitude: 100.785957; samplingProtocol: sweeping and shaking; eventDate: 04/05/2017; individualID: 2017-V-4; individualCount: 7; sex: 3

males, 4 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt78

Feeds on: leaves and collected from ferns.

Distribution: Described from India. Recorded from Hong Kong and southern China.

***Organothrips longisetosus* (Zhang & Tong, 1992)**

- https://thrips.info/wiki/Organothrips_longisetosus

Nomenclature:

Graminothrips longisetosus Zhang & Tong, 1992: 84.

Material

- scientificNameAuthorship: *Organothrips longisetosus* (Zhang & Tong); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected Area); decimalLatitude: 22.001969; decimalLongitude: 100.795012; samplingProtocol: sweeping and shaking; eventDate: 02/07/2018; individualID: 2018-VII-2; individualCount: 7; sex: 4 males, 5 females; lifeStage: adults; recordedBy: E.N & L.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt80

Feeds on: leaves and stem. Collected from *Arthraxon hispidus* (Poaceae).

Distribution: Described from Guangxi and distributed from southern China.

***Plesiothrips perplexus* (Beach, 1896)**

- https://thrips.info/wiki/Plesiothrips_perplexus

Nomenclature:

Sericothrips perplexus Beach, 1896: 216 | *Thrips panicus* Moulton, 1929: 61.

Material

- scientificNameAuthorship: *Plesiothrips perplexus* (Beach); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.963829; decimalLongitude: 100.64345; samplingProtocol: sweeping and shaking; eventDate: 22/10/2017; individualID: 2017-X-22; individualCount: 1; sex: female; lifeStage: adults; recordedBy: Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt81

Feeds on: flowers and collected from corns.

Distribution: Described from Iowa. Recorded from Hawaii and southern China.

***Rhamphothrips aureus* (Ananthkrishnan, 1954)**

- https://thrips.info/wiki/Rhamphothrips_aureus

Nomenclature:

Perissothrips aureus Ananthkrishnan, 1954: 159 | *Perissothrips hartwigi* Bhatti, 1967: 12.

Material

- scientificNameAuthorship: *Rhamphothrips aureus* (Ananthkrishnan); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.043353; decimalLongitude: 100.917923; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017; individualID: 2017-III-10; individualCount: 2; sex: males; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt82

Feeds on: leaves, collected from bamboo and Euphorbiaceae.

Distribution: Described from India and recorded from southern China.

***Rhamphothrips bruceae* Li & Zhang, 2018**

- Barcode of Life <https://www.biotaxa.org/Zootaxa/article/view/zootaxa.4446.3.6/0>

Material

- scientificNameAuthorship: *Rhamphothrips bruceae* Li & Zhang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Naban He Protected Area); decimalLatitude: 22.010116; decimalLongitude: 100.958167; samplingProtocol: sweeping and shaking; eventDate: 01/06/2018; individualID: 2018-VI-1; individualCount: 1; sex: female; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt83

Feeds on: leaves and collected from Brucea (Simaroubaceae).

Distribution: Described from China (Xishuangbanna) (Li et al. 2018a).

***Rhamphothrips parviceps* (Hood, 1919)**

- https://thrips.info/wiki/Rhamphothrips_parviceps

Nomenclature:

Perissothrips parviceps Hood, 1919: 92.

Material

- a. scientificNameAuthorship: *Rhamphothrips parviceps* (Hood); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Naban He Protected Area); decimalLatitude: 22.004755; decimalLongitude: 100.922522; samplingProtocol: sweeping and shaking; eventDate: 26/04/2009; individualID: 2009-IV-26; individualCount: 1; sex: female; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt84

Feeds on: leaves and collected from Fabaceae.

Distribution: Described from India and recorded from China (Xishuangbanna) (Li et al. 2018a).

***Rhamphothrips santokhi* Kulshrestha & Vijay Veer, 1984**

- https://thrips.info/wiki/Rhamphothrips_santokhi

Material

- a. scientificNameAuthorship: *Rhamphothrips santokhi* Kulshrestha & Vijay Veer; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Bubang Village); decimalLatitude: 21.995104; decimalLongitude: 100.879979; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017; individualID: 2017-III-10; individualCount: 1; sex: female; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt85

Feeds on: leaves and collected from Euphorbiaceae.

Distribution: Described from India and recorded from southern China.

***Salpingothrips aimotofus* Kudo, 1972**

- https://thrips.info/wiki/Salpingothrips_aimotofus

Material

- a. scientificNameAuthorship: *Salpingothrips aimotofus* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.973654; decimalLongitude: 100.942069; samplingProtocol: sweeping and shaking; eventDate: 22/10/2017; individualID: 2017-X-22; individualCount: 1; sex: female; lifeStage: adults; recordedBy: Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt86

Feeds on: leaves and collected from *Pueraria montana*.

Distribution: Described from Japan. Recorded from Georgia and southern China.

***Scirtothrips dorsalis* Hood, 1919**

- https://thrips.info/wiki/Scirtothrips_dorsalis

Nomenclature:

Scirtothrips dorsalis Hood, 1919: 90 | *Heliiothrips minutissimus* Bagnall, 1919: 260 | *Anaphothrips andreae* Karny, 1925: 24 | *Neophysopus fragariae* Girault, 1927: 1. Synonymised by Mound & Palmer (1981) | *Scirtothrips dorsalis* var. *padmae* Ramakrishna, 1942: 169.

Material

- scientificNameAuthorship: *Scirtothrips dorsalis* Hood; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.005827; decimalLongitude: 100.924822; samplingProtocol: sweeping and shaking; eventDate: 27/05/2018; individualID: 2018-V-27; individualCount: 17; sex: 14 males, 3 females; lifeStage: adults; recordedBy: E.N & L.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt87

Feeds on: leaves and collected from tea tree, pepper and beans.

Distribution: Described from Australia. Recorded from India, Indonesia and southern China.

***Scolothrips asura* Ramakrishna & Margabandhu, 1931**

- https://thrips.info/wiki/Scolothrips_asura

Nomenclature:

Scolothrips asura Ramakrishna & Margabandhu, 1931: 1035 | *Scolothrips quadrinotata* Han & Zhang, 1982: 53.

Material

- scientificNameAuthorship: *Scolothrips asura* Ramakrishna & Margabandhu; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.109802; decimalLongitude: 100.87078; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 10; sex: 2 males, 8 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt88

Feeds on: small arthropods.

Distribution: Described from India. Recorded from China, Japan, Taiwan, Thailand and northern Australia.

Scolothrips takahashii Priesner, 1950

- https://thrips.info/wiki/Scolothrips_takahashii

Nomenclature:

Scolothrips takahashii Priesner, 1950: 52 | *Scolothrips priesneri* Sakimura, 1954: 357.

Material

- scientificNameAuthorship: *Scolothrips takahashii* Priesner; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 22.177291; decimalLongitude: 100.890327; samplingProtocol: sweeping and shaking; eventDate: 24/06/2020; individualID: 2020-VI-24; individualCount: 33; sex: 9 males, 24 females; lifeStage: adults; recordedBy: E.N & L.H; identifiedBy: Li Yajin; dateIdentified: 2020; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt89

Feeds on: small arthropods.

Distribution: Described from Taiwan and Hawaii USA. Widely distributed in China.

Sorghothrips meishanensis Chen, 1977

- https://thrips.info/wiki/Sorghothrips_meishanensis

Material

- scientificNameAuthorship: *Sorghothrips meishanensis* Chen; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected Area + Mansha Village); decimalLatitude: 22.177291; decimalLongitude: 100.861869; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017; individualID: 2017-III-11; individualCount: 2; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt90

Feeds on: leaves, collected from corns and sugar-cane.

Distribution: Described from Taiwan and recorded from south China.

Stenchaetothrips biformis (Bagnall, 1913)

- https://thrips.info/wiki/Stenchaetothrips_biformis

Nomenclature:

Bagnallia biformis Bagnall, 1913: 237 | *Bagnallia adusta* Bagnall, 1913: 238 | *Bagnallia melanurus* Bagnall, 1913: 238 | *Thrips (Bagnallia) oryzae* Williams, 1916: 353 | *Thrips holorphnus* Karny, 1925: 15 | *Plesiothrips o* Girault, 1929: 1 | *Thrips dobrogensis* Knechtel, 1964: 479 | *Chloethrips blandus* zur Strassen, 1975: 78.

Material

- a. scientificNameAuthorship: *Stenchaetothrips biformis* (Bagnall); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 22.179968; decimalLongitude: 100.849508; samplingProtocol: sweeping and shaking; eventDate: 06/04/2009, 21/10/2017; individualID: 2009-IV-6|2017-X-21; individualCount: 16; sex: 10 males, 6 female; lifeStage: adults; recordedBy: S.S.Q & L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt91

Feeds on: leaves, collected from bamboo and Poaceae

Distribution: Described from England and widely distributed from different parts of the world.

Stenchaetothrips brochus Wang, 2000

- https://thrips.info/wiki/Stenchaetothrips_brochus

Material

- a. scientificNameAuthorship: *Stenchaetothrips brochus* Wang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village); decimalLatitude: 21.922967; decimalLongitude: 101.184971; samplingProtocol: sweeping and shaking; eventDate: 14/04/2017; individualID: 2017-IV-14; individualCount: 3; sex: 2 males, 1 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt92

Feeds on: leaves and collected from bamboo.

Distribution: Described from Taiwan and distributed from southern China.

Stenchaetothrips cymbopogoni Zhang & Tong, 1990

- https://thrips.info/wiki/Stenchaetothrips_cymbopogoni

Material

- a. scientificNameAuthorship: *Stenchaetothrips cymbopogoni* Zhang & Tong; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden + Bubang Village), Jinghong (Nabanhe Protected Area + Botanical Garden); decimalLatitude: 21.918541; decimalLongitude: 101.184828; samplingProtocol: sweeping and shaking; eventDate: 27/12/2010; individualID: 2010-XII-27; individualCount: 4; sex:

females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T193

Feeds on: leaves, collected from mango, citronella and sugar-cane.

Distribution: Described from Hainan and distributed from south China.

***Stenchaetothrips minutus* (Deventer, 1906)**

- https://thrips.info/wiki/Stenchaetothrips_minutus

Nomenclature:

Thrips minutus Deventer, 1906: 281 | *Thrips puttemansi* Costa Lima, 1926: 32 | *Thrips saccharoni* Moulton, 1928: 111 | *Fulmekiola saccharicida* Ramakrishna & Margabandhu, 1939: 23.

Material

- a. scientificNameAuthorship: *Stenchaetothrips minutus* (Deventer); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.914651; decimalLongitude: 101.186983; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017; individualID: 2017-III-10; individualCount: 3; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T194

Feeds on: leaves, collected from bamboo, Poaceae and prunella.

Distribution: Described from Indonesia. Recorded from Hawaii and China.

***Taeniothrips musae* (Zhang & Tong, 1990)**

- https://thrips.info/wiki/Taeniothrips_musae

Nomenclature:

Javathrips musae Zhang & Tong, 1990: 193.

Material

- a. scientificNameAuthorship: *Taeniothrips musae* (Zhang & Tong); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected Area + Mansha Village); decimalLatitude: 21.916663; decimalLongitude: 101.193451; samplingProtocol: sweeping and shaking; eventDate: 1987; individualID: not found; individualCount: 8; sex: 2 males, 6 females; lifeStage: adults; recordedBy: Z.W.Q; identifiedBy: Li Yajin; dateIdentified: 1987; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T196

Feeds on: leaves, bulbs, flowers and collected from Orchidaceae.

Distribution: Described from China (Xishuangbanna).

***Tameothrips arundo* Tyagi, Kumar & Chauhan, 2015**

- https://thrips.info/wiki/Tameothrips_arundo

Material

- scientificNameAuthorship: *Tameothrips arundo* Tyagi, Kumar & Chauhan; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.923101; decimalLongitude: 101.200925; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017; individualID: 2017-III-10; individualCount: 11; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T197

Feeds on: flowers and collected from *arundo* grasses.

Distribution: Described from India and recorded from south China.

***Thrips andrewsi* (Bagnall, 1921)**

- https://thrips.info/wiki/Thrips_andrewsi

Nomenclature:

Physothrips andrewsi Bagnall, 1921: 394 | *Taeniothrips ghoshi* Bhatti, 1962: 35.

Material

- scientificNameAuthorship: *Thrips andrewsi* (Bagnall); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.919882; decimalLongitude: 101.191583; samplingProtocol: sweeping and shaking; eventDate: 06/05/2016; individualID: 2016-V-6; individualCount: 19; sex: 4 males, 15 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T198

Feeds on: flowers, collected from mango, longan and tea flowers.

Distribution: Described from India and worldwide distributed.

***Thrips atactus* Bhatti, 1967**

- https://thrips.info/wiki/Thrips_atactus

Material

- a. scientificNameAuthorship: *Thrips atactus* Bhatti; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected Area); decimalLatitude: 21.935842; decimalLongitude: 101.248356; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017, 11/03/2017; individualID: 2017-III-10|2017-III-11; individualCount: 7; sex: 2 males, 5 females; lifeStage: adults; recordedBy: L.Y.J & X.Y.L.; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020T99

Feeds on: flowers, collected from Caricaceae, Rosaceae and Fagaceae.

Distribution: Described from India and widely distributed.

***Thrips australis* (Bagnall, 1915)**

- https://thrips.info/wiki/Thrips_australis

Nomenclature:

Isoneurothrips australis Bagnall, 1915: 592 | *Thrips lacteicorpus* Girault, 1926: 17 | *Thrips mediolineus* Girault, 1926: 18 | *Anomalothrips amygdali* Morgan, 1929: 5 | *Isoneurothrips marisabelae* Ortiz, 1973: 119.

Material

- a. scientificNameAuthorship: *Thrips australis* (Bagnall); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Botanical Garden); decimalLatitude: 21.926454; decimalLongitude: 101.254249; samplingProtocol: sweeping and shaking; eventDate: 22/10/2017; individualID: 2017-X-22; individualCount: 1; sex: female; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt100

Feeds on: flowers, collected from potato and eucalyptus.

Distribution: Described from Australia and widely distributed from where Eucalyptus hosts are distributed.

Thrips coloratus (Schmutz, 1913)

- https://thrips.info/wiki/Thrips_coloratus

Nomenclature:

Thrips colorata Schmutz, 1913: 1013 | *Thrips japonicus* Bagnall, 1914: 288 | *Thrips melanurus* Bagnall, 1926: 111 | *Thrips aligherini* Girault, 1927: 1.

Material

- scientificNameAuthorship: *Thrips coloratus* (Schmutz); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Yexianggu); decimalLatitude: 21.930611; decimalLongitude: 101.258129; samplingProtocol: sweeping and shaking; eventDate: 17/04/2009; individualID: 2009-IV-17; individualCount: 56; sex: 17 males, 39 females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt101

Feeds on: flowers, collected from potatoes, mango and citrus.

Distribution: Described from Sri Lanka. Recorded from Japan, India, Australia and China.

Thrips flavus Schrank, 1776

- https://thrips.info/wiki/Thrips_flavus

Nomenclature:

Thrips flavus Schrank, 1776: 31 | *Thrips melanopa* Schrank, 1776: 31 | *Thrips ochraceus* Curtis, 1841: 228 | *Physothrips flavidus* Bagnall, 1916: 399 | *Thrips flavidus* Bagnall, 1916: 402 | *Thrips flavosetosus* Priesner, 1919: 105 | *Thrips obscuricornis* Priesner, 1927: 423 | *Physothrips flavus* Bagnall, 1928: 98 | *Thrips nilgiriensis* Ramakrishna, 1928: 262 | *Taeniothrips clarus* Moulton, 1928a: 287. Synonymised by Palmer (1992) | *Thrips kyotoi* Moulton, 1928b: 302 | *Taeniothrips luteus* Oettingen, 1935: 183 | *Taeniothrips sulfuratus* Priesner, 1935: 358 | *Thrips biarticulata* Priesner, 1935: 358 | *Taeniothrips saussureae* Ishida, 1936: 70 | *Taeniothrips rhopalantennalis* Shumsher, 1946: 181.

Material

- scientificNameAuthorship: *Thrips flavus* Schrank; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 21.937451; decimalLongitude: 101.257842; samplingProtocol: sweeping and shaking; eventDate: 05/05/2016; individualID: 2016-V-5; individualCount: 15; sex: 4 males, 11 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt103

Feeds on: flowers, leaves, collected from chinese rose, mango flowers and Fabaceae.

Distribution: Described from Austria and widely distributed.

***Thrips hawaiiensis* (Morgan, 1913)**

- https://thrips.info/wiki/Thrips_hawaiiensis

Nomenclature:

Euthrips hawaiiensis Morgan, 1913 | *Thrips sulphurea* Schmutz, 1913: 1011 | *Thrips nigriflava* Schmutz, 1913: 1012 | *Thrips albipes* Bagnall, 1914: 25 | *Physothrips pallipes* Bagnall, 1916: 400 | *Physothrips albipes* Bagnall, 1916: 401 | *Bregmatothrips theifloris* Karny, 1921: 66. Synonymised by Bhatti (1978) | *Thrips versicolor* Bagnall, 1926: 108 | *Thrips pallipes* Bagnall, 1926: 110 | *Thrips io* Girault, 1927: 351. Synonymised by Mound and Houston (1987) | *Thrips partirufus* Girault, 1927: 1. Synonymised by Mound & Houston, 1987: 9 | *Physothrips emersoni* Girault, 1927: 2 | *Taeniothrips eriobotryae* Moulton, 1928: 297. Synonymised by Bhatti (1970) | *Physothrips lacteicolor* Girault, 1928: 1 | *Physothrips marii* Girault, 1928: 2 | *Physothrips mjobergi* var. *darci* Girault, 1930: 1. Synonymised by Mound and Houston (1987) | *Thrips hawaiiensis* form imitator Priesner, 1934: 267. Replacement name for *Physothrips albipes* Bagnall | *Taeniothrips pallipes* var. *florinatus* Priesner, 1938: 489. Synonymised by Bhatti (1970) | *Taeniothrips rhodomyrti* Priesner, 1938: 492.

Material

- scientificNameAuthorship: *Thrips hawaiiensis* (Morgan); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.932623; decimalLongitude: 101.271352; samplingProtocol: sweeping and shaking; eventDate: 28/05/2014, 11/03/2017 28/05/2018, 23/08/2019; individualID: 2017-III-11| 2018-V-28|2014-V-28|2019-VIII-23; individualCount: 288; sex: 71 males, 217 females; lifeStage: adults; recordedBy: E.N, L.Y.J, L.H & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2019, 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt104

Feeds on: flowers, collected from Cannaceae, Irideae, Fabaceae, Cucurbitaceae, tea and mango.

Distribution: Described from Hawaii, USA and widely distributed.

***Thrips orientalis* (Bagnall, 1915)**

- https://thrips.info/wiki/Thrips_orientalis

Nomenclature:

Isoneurothrips orientalis Bagnall, 1915: 593 | *Thrips setipennis* Steinweden & Moulton, 1930: 25. Synonymised by Sakimura (1967) | *Thrips hispidipennis* Hood, 1932: 122.

Material

- a. scientificNameAuthorship: *Thrips orientalis* (Bagnall); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.923369; decimalLongitude: 101.276527; samplingProtocol: sweeping and shaking; eventDate: 25/10/2017, 28/05/2018; individualID: 2017-X-25 & 2018-V-28; individualCount: 9; sex: 1 male, 8 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt105

Feeds on: flowers and collected from jasmine.

Distribution: Described from Malaysia. Recorded from Tanzania, China and Japan.

Thrips palmi Karny, 1925

- https://thrips.info/wiki/Thrips_palmi

Nomenclature:

Thrips clarus Moulton, 1928: 294 | *Thrips leucadophilus* Priesner, 1936: 91 | *Thrips gossypicola* Ramakrishna & Marghabandu, 1939: 41 | *Chloethrips (Mictothrips) aureus* Ananthkrishnan & Jagadish, 1967: 381. Synonymised by Bhatti (1970) | *Thrips gracilis* Ananthkrishnan & Jagadish, 1968: 361. Synonymised by Bhatti (1970).

Material

- a. vernacularName: melon thrips; scientificNameAuthorship: *Thrips palmi* Karny; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.915456; decimalLongitude: 101.275664; samplingProtocol: sweeping and shaking; eventDate: 06/10/2015, 07/10/2015, 11/05/2016, 12/05/2016, 17/03/2016, 12/05/2017, 09/08/2017, 08/09/2017, 18/08/2019; individualID: 2015-X-6|2015-X-7|2016-III-17|2016-V-11|2016-V-12|2017-IX-8|2017-IX-12|2017-VIII-9|2019-VIII-18; individualCount: 364; sex: 112 males, 252 females; lifeStage: adults; recordedBy: E.N, L.Y.J, L.H, Y.X.Q & Z.H.R; identifiedBy: Li Yajin; dateIdentified: 2019, 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt106

Feeds on: flowers, leaves. Collected from Apiaceae, pepper, eggplants, carrots and potatoes

Distribution: Described from Indonesia and widely distributed from the Tropics to Caribbean Regions.

***Thrips subnudula* (Karny, 1926)**

- https://thrips.info/wiki/Thrips_subnudula

Nomenclature:

Ramaswamihiella subnudula Karny, 1926: 208 | *Thrips pandu* Ramakrishna, 1928: 264 | *Thrips setosus* Moulton, 1929: 97 | *Thrips temporatus* Bailey, 1951: 19.

Material

- a. scientificNameAuthorship: *Thrips subnudula* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.911298; decimalLongitude: 101.285581; samplingProtocol: sweeping and shaking; eventDate: 23/04/2008; individualID: 2008-IV-23; individualCount: 15; sex: 2 males, 13 females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt107

Feeds on: flowers, collected from mango and amaranthus

Distribution: Described from India. Recorded from Pakistan, Bali, the Philippines, Uganda, Nigeria, Malaysia and China.

***Thrips (Isoneurothrips) taiwanus* (Takahashi, 1936)**

- GBIF <https://www.gbif.org/species/4799922>

Nomenclature:

Isoneurothrips parvispinus Karny, 1922: 106 | *Isoneurothrips jenseni* Karny, 1925: 7. Synonymised by Priesner (1934) | *Isoneurothrips pallipes* Moulton, 1928: 296 | *Thrips (Isoneurothrips) taiwanus* Takahashi, 1936: 440.

Material

- a. scientificNameAuthorship: *Thrips taiwanus* (Takahashi); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.914786; decimalLongitude: 101.291474; samplingProtocol: sweeping and shaking; eventDate: 09/03/2017; individualID: 2017-III-9; individualCount: 6; sex: 2 males, 4 females; lifeStage: adults; recordedBy: K.B; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt108

Feeds on: flowers and collected from Caricaceae.

Distribution: Described from Taiwan. Recorded from Thailand, Philippines, northern Australia and China.

***Thrips tabaci* Lindeman, 1889**

- https://thrips.info/wiki/Thrips_tabaci

Nomenclature:

Thrips solanaceorum Widgalm in Portschinsky, 1883: 44 | *Limothrips allii* Gillette, 1893: 15 | *Thrips communis* Uzel, 1895: 176 | *Thrips communis annulicornis* Uzel, 1895: 177 | *Thrips communis pulla* Uzel, 1895: 177 | *Thrips flava obsoleta* Uzel, 1895: 187 | *Thrips bremnerii* Moulton, 1907: 59 | *Parathrips uzeli* Karny, 1907: 48 | *Thrips bicolor* Karny, 1907: 49 | *Thrips brachycephalus* Enderlein, 1909: 441 | *Thrips hololeucus* Bagnall, 1914: 24. Synonymised by Mound (1968) | *Thrips adamsoni* Bagnall, 1923: 58. Synonymy in Mound, 1968: 67 | *Thrips debilis* Bagnall, 1923: 60 | *Thrips mariae* Cotte, 1924: 2 | *Thrips frankeniae* Bagnall, 1926: 654 | *Thrips seminiveus* Girault, 1926: 1. Synonymised by Mound and Houston (1987) | *Thrips tabaci* f. *irrorata* Priesner, 1927: 436 | *Thrips tabaci* f. *nigricornis* Priesner, 1927: 436 | *Thrips tabaci* f. *atricornis* Priesner, 1927: 437 | *Thrips dorsalis* Bagnall, 1927: 576. Synonymy in Mound (1968) | *Thrips indigenus* Girault, 1929: 29 | *Thrips dianthi* Moulton, 1936: 104 | *Ramaswamiahiella kallarensis* Ananthakrishnan, 1960: 564.

Material

- vernacularName: Onion thrips; scientificNameAuthorship: *Thrips tabaci* (Widgalm in Portschinsk); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 21.92404; decimalLongitude: 101.28515; samplingProtocol: sweeping and shaking; eventDate: 19/04/2010, 23/04/2015, 27/07/2016, 22/08/2016, 09/03/2017, 27/10/2019; individualID: 2010-IV-19|2015-IV-23|2016-VII-27|2016-VIII-22|2019-X-27|2017-III-9; individualCount: 147; sex: 30 males, 117 females; lifeStage: adults; recordedBy: E.N, L.Y.J & L.H; identifiedBy: Li Yajin; dateIdentified: 2019, 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt109

Feeds on: flowers. Collected from onion, garlic, tobacco and mango.

Distribution: Described from Moldova and worldwide distributed.

***Trachynotothrips striatus* Masumoto & Okajima, 2005**

- https://thrips.info/wiki/Trachynotothrips_striatus

Material

- scientificNameAuthorship: *Trachynotothrips striatus* Masumoto & Okajima; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.926856; decimalLongitude: 101.317346; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-X-24; individualCount: 11; sex: female; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode:

YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen;
occurrenceID: YAU5082020Tt110

Diagnosis: The female fully-winged; body mainly paler with brown markings (Fig. 19), head wider than long, constricted just behind compound eyes paler with shaded cheeks; antennal segments I and III yellowish-white, II and VI to VIII brown, IV yellowish-white with distal half brown, segment V yellowish-white with distal third brown; pronotum yellowish-white with two submarginal longitudinal brown bands; fore wings with alternate four white areas and three brown bands; abdominal terga II to VII sculptured. Male generally similar to female, but slightly smaller, sternites III-VIII with scattered small pore plates.



Figure 19. [doi](#)

Female of *Trichomothrips striatus* Matsumoto and Okajima, 2005.

Feeds on: leaves and collected from Poaceae.

Distribution: Described from Vietnam. Recorded from India and China.

Trichomothrips alis Bhatti, 1967

- https://thrips.info/wiki/Trichomothrips_alis

Material

- scientificNameAuthorship: *Trichomothrips alis* Bhatti; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.927891; decimalLongitude: 101.311502; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017; individualID: 2017-X-24; individualCount: 10; sex: males; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt111

Feeds on: leaves and collected from cosmianthemum.

Distribution: Described from India and recorded from China.

***Trichomothrips antidesmae* Li, Li & Zhang, 2019**

- https://thrips.info/wiki/Trichomothrips_antidesmae

Material

- a. scientificNameAuthorship: *Trichomothrips antidesmae* Li, Li & Zhang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959907; decimalLongitude: 100.463502; samplingProtocol: sweeping and shaking; eventDate: 10/03/2017, 12/03/2017, 24/10/2017; individualID: 2017-X-24|2017-III-12|2017-III-10; individualCount: 7; sex: 2 males, 5 females; lifeStage: adults; recordedBy: L.H & K.B; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt112

Diagnosis: Female macropterous; body and legs yellow (Fig. 20), head and pronotum with dark lateral margin, antennal segments I–II brown, III–V yellow with the apex brown, VI–VII brown, VIII pale brown; fore wing brown with apex pale, clavus brown; abdominal tergites with transverse striae laterally, tergites II–VII with three setae arranged in a straight line. Male generally similar in structure and colour similar to female, sternites without pore plates.

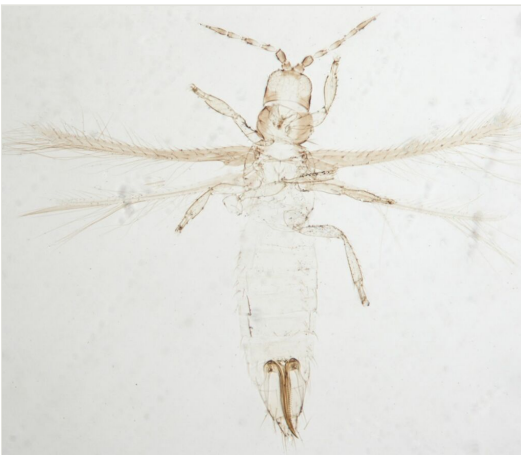


Figure 20. [doi](#)

Female of *Trichomothrips antidesmae* Li, Li & Zhang, 2019.

Feeds on: leaves and collected from antidesma.

Distribution: Described from China (Xishuangbanna) (Li et al. 2019).

***Trichromothrips assamensis* Tyagi & Kumar, 2017**

- https://thrips.info/wiki/Trichromothrips_assamensis

Material

- a. scientificNameAuthorship: *Trichromothrips assamensis* Tyagi & Kumar; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959857; decimalLongitude: 100.46016; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017, 01/06/2018; individualID: 2017-X-24|2018-VI-1; individualCount: 6; sex: females; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt113

Feeds on: leaves and collected from Poaceae.

Distribution: Described from India (Tyagi et al. 2017). Recorded from China (Xishuangbanna).

***Trichromothrips crispator* (Karny, 1915)**

- https://thrips.info/wiki/Trichromothrips_crispator

Nomenclature:

Physothrips crispator Karny, 1915: 35.

Material

- a. scientificNameAuthorship: *Trichromothrips crispator* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.963879; decimalLongitude: 100.457142; samplingProtocol: sweeping and shaking; eventDate: 01/06/2018; individualID: 2018-VI-1; individualCount: 6; sex: females; lifeStage: adults; recordedBy: X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt114

Feeds on: leaves and collected from Acanthaceae.

Distribution: Described from Indonesia and recorded from China.

***Trichromothrips falcus* (Bhatti, 1967)**

- https://thrips.info/wiki/Trichromothrips_falcus

Nomenclature:

Dorcadothrips fasciatus Bhatti, 1967: 21 | *Trichromothrips falcus* Bhatti, 1999: 3.

Material

- a. scientificNameAuthorship: *Trichromothrips falcus* (Bhatti); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.954225; decimalLongitude: 100.44859; samplingProtocol: sweeping and shaking; eventDate: 30/09/2011; individualID: 2011-IX-30; individualCount: 4; sex: females; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt115

Feeds on: leaves and collected from Poaceae.

Distribution: Described from India and recorded from China.

Trichromothrips formosus Masumoto & Okajima, 2005

- https://thrips.info/wiki/Trichromothrips_formosus

Material

- a. scientificNameAuthorship: *Trichromothrips formosus* Masumoto & Okajima; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Bubang Village); decimalLatitude: 21.962539; decimalLongitude: 100.446218; samplingProtocol: sweeping and shaking; eventDate: 19/05/2018; individualID: 2018-V-19; individualCount: 1; sex: male; lifeStage: adults; recordedBy: Z.C.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt116

Feeds on: leaves and collected from Chloranthaceae.

Distribution: Described from Japan. Recorded from south-eastern China and Taiwan.

Trichromothrips guizhouensis Li, Li & Zhang, 2019

- https://thrips.info/wiki/Trichromothrips_guizhouensis

Material

- a. scientificNameAuthorship: *Trichromothrips guizhouensis* Li, Li & Zhang; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.963879; decimalLongitude: 100.359622; samplingProtocol: sweeping and shaking; eventDate: 28/05/2018, 30/05/2018, 31/05/2018; individualID: 2018-V-28|2018-V-30|2018-V-31; individualCount: 4; sex: 2 males, 2 females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt117

Feeds on: leaves and collected from Sapotaceae.

Distribution: Distributed from Guizhou and distributed from southeast of China.

***Trichromothrips indicus* (Bhatti, 1978)**

- https://thrips.info/wiki/Trichromothrips_indicus

Nomenclature:

Dorcadothrips indicus Bhatti, 1978: 423.

Material

- scientificNameAuthorship: *Trichromothrips indicus* (Bhatti); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 22.045911; decimalLongitude: 100.479779; samplingProtocol: sweeping and shaking; eventDate: 30/09/2011; individualID: 2011-IX-30; individualCount: 3; sex: 2 males, 1 female; lifeStage: adults; recordedBy: S.S.Q; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt118

Feeds on: leaves and corrected from Poaceae.

Distribution: Described from India and recorded from south China.

***Trichromothrips trifasciatus* (Priesner, 1936)**

- https://thrips.info/wiki/Trichromothrips_trifasciatus

Nomenclature:

Taeniothrips trifasciatus Priesner, 1936: 323.

Material

- scientificNameAuthorship: *Trichromothrips trifasciatus* (Priesner); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.917631; decimalLongitude: 100.407825; samplingProtocol: sweeping and shaking; eventDate: 22/10/2017; individualID: 2017-X-22; individualCount: 4; sex: females; lifeStage: adults; recordedBy: L.Y.J; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt119

Diagnosis: *Trichromothrips trifasciatus* differs from other species of the same genus by fore wing base not shaded along the anterior margin, basal half of antennal segments III–V yellow and abdominal tergites with some light brown patches (Fig. 21).



Figure 21. [doi](#)

Female of *Trichromothrips trifasciatus* Priesner, 1936.

Feeds on: leaves and collected from potato leaves.

Distribution: Described from Indonesia and recorded from China (Xishuangbanna).

Tusothrips immaculatus Reyes, 1994

- https://thrips.info/wiki/Tusothrips_immaculatus

Material

- scientificNameAuthorship: *Tusothrips immaculatus* Reyes; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.961529; decimalLongitude: 100.462693; samplingProtocol: sweeping and shaking; eventDate: 11/07/2017, 24/10/2017; individualID: 2017-VIII-11|2017-X-24; individualCount: 9; sex: 6 males, 3 female; lifeStage: adults; recordedBy: L.Y.J & Y.Y.H; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt120

Feeds on: leaves and collected from Rutaceae.

Distribution: Described from Philippines and recorded from China (Xishuangbanna).

Tusothrips sumatrensis (Karny, 1925)

- https://thrips.info/wiki/Tusothrips_sumatrensis

Nomenclature:

Anaphothrips sumatrensis Karny, 1925: 27 | *Anaphothrips* (*Chaetanaphothrips*) *aureus* Moulton, 1936: 266 | *Mycterothrips pseudosetiprivus* Ramakrishna & Margabandhu, 1939: 42 | *Taeniothrips calopgomi* Zhang, 1981: 324. Synonymised by Mirab-balou and Tong (2015).

Material

- a. scientificNameAuthorship: *Tusothrips sumatrensis* (Karny); country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.96147; decimalLongitude: 100.462909; samplingProtocol: sweeping and shaking; eventDate: 21/10/2017, 01/06/2018, 02/06/2018; individualID: 2017-X-21| 2018-VI-1| 2018-VI-2; individualCount: 12; sex: 2 males, 10 females; lifeStage: adults; recordedBy: E.N, L.Y.J & X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt121

Feeds on: leaves, collected from Urticaceae and Acanthaceae.

Distribution: Described from Japan and recorded from China.

Yoshinothrips pasekamui Kudo, 1985

- https://thrips.info/wiki/Yoshinothrips_pasekamui

Material

- a. scientificNameAuthorship: *Yoshinothrips pasekamui* Kudo; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.959819; decimalLongitude: 100.460016; samplingProtocol: sweeping and shaking; eventDate: 28/05/2018, 02/06/2018; individualID: 2018-VI-2| 2018-V-28; individualCount: 2; sex: females; lifeStage: adults; recordedBy: E.N & X.Y.L; identifiedBy: Li Yajin; dateIdentified: 2018; identificationReferences: (ThripsWiki 2020); collectionID: thrips; institutionCode: YAU5082020; collectionCode: terebrantia; basisOfRecord: preserved specimen; occurrenceID: YAU5082020Tt122

Feeds on: leaves and collected from bamboo.

Distribution: Described from Japan and recorded from China (Xishuangbanna).

Analysis

Surveyed plant families

During this survey, 48% of the plants surveyed were herbaceous (deciduous or evergreen plants), 38% shrubby (annuals or biennials plants), 13% woody (perennial plants) and 1%

for others (fungi, rocks and mosses). Fabaceae, Poaceae and Asteraceae showed a high population, whereas Bryophytes (mosses) and Pteridophyta (ferns) showed the low population dynamics of thrips species.

Thysanoptera (suborder Terebrantia): species composition and distribution

A total of 116 species in 55 genera within the families Aeolothripidae and Thripidae were recorded. Thripidae is represented with 115 species, whereas Aeolothripidae is represented with a single species. The genus *Thrips* is represented with 11 species and *Trichomothrips* with 10 species, both being the most commonly encountered taxa. *Dichromothrips nakahari* Mound, 1976 (subfamily Thripinae) and *Phibalothrips rugosus* Kudo, 1979 (subfamily Panchaetothripinae) are newly recorded in China. A distribution map (Fig. 22) of Terebrantian (Thysanoptera) in Xishuangbanna is provided with supplementary material for details (Suppl. material 1).

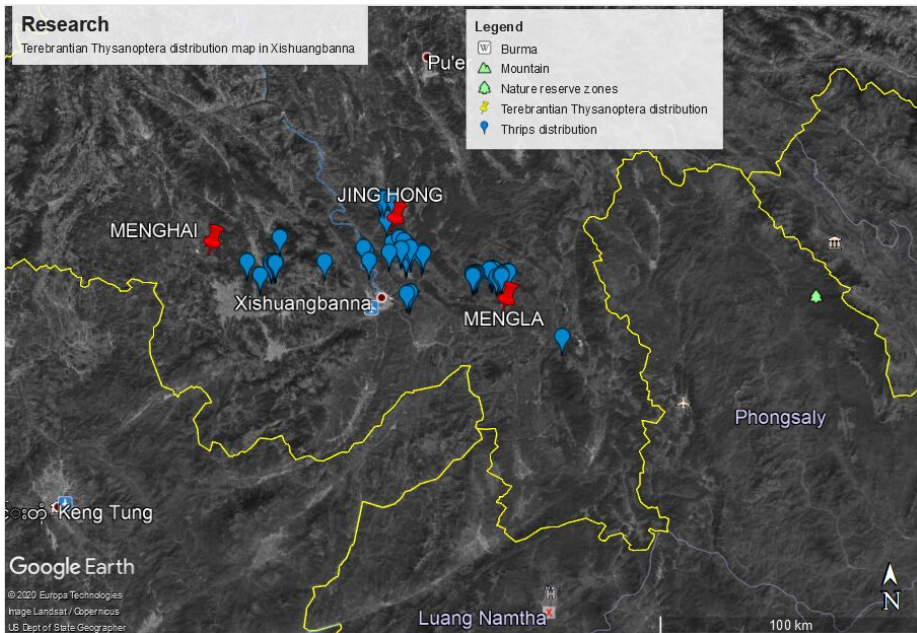


Figure 22. [doi](#)

Google map showing distribution of Terebrantian (Thysanoptera) in the surveyed three counties, with which Jinghong is marked with the highest distributional points.

Discussion

In this study, we found that Xishuangbanna shows the high thrips species composition with asymmetric geographical distribution as demonstrated in the world distribution of Thysanoptera (Mound and Marullo 1998) and (Mound 1983). Recorded species are representing 40.3% of the 313 species of the Terebrantian (Thysanoptera) in China. In

addition, this place is the home of some rare genera and species, such as *Araliacothrips* Li, Li & Zhang, *Filicopsiothrips pulcher* Li, Yuan & Zhang, *Amomothrips* Bhatti and different predatory species of the family Aeolothripidae. *Dichromomothrips nakahari* Mound, 1976 (subfamily Thripinae), described from Indonesia (Mound 1976) and *Phibalothrips rugosus* Kudo, 1979 (subfamily Panchaetothripinae), described from Kuala Lumpur, Malaysia (ThripsWiki 2020), are newly-recorded species in Chinese fauna. Our results suggest that Xishuangbanna is the richest area in Thysanoptera species composition to be taken into consideration for biodiversity conservation. However, some species from the references were lacking sufficient information for the records and deposition to be the common challenge in the taxonomic study (Kuznetsova and Ivanova 2020) and suggest that detailed inventories on the specimens records and modernised open, readily accessible online or digitised data are required for sustainable taxonomic studies, as suggested by Specht et al. (2018). Besides, further investigations are suggested to explore the species diversity and variation within Thysanoptera ecosystem services provided in this area for sustainable biodiversity conservation.

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Author contributions

Authors have contributed equally to this work. The project was supported by the National Natural Science Foundation of China (No. 31860614, 31460574). Special appreciation to BDJ editors' team and reviewers for their time, expertise and effort devoted to the improvement of manuscript.

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Supplementary material

Suppl. material 1: Supplementary material

Authors: Ntirenganya Elie, Li Yajin, Xie Yanlan, Zhou Yanli, Zhang Hongrui

Data type: Occurrences

Brief description: Supplementary data of 116 species representing 55 genera of thrips collected from Xishuangbanna, China.

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