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DOI: https://doi.org/10.3897/arphapreprints.e72776

Checklist of order Terebrantia (Thysanoptera): generic diversity and species composition in Xishuangbanna, Yunnan province, China

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Checklist of order Terebrantia (Thysanoptera): generic diversity and species composition in Xishuangbanna, Yunnan province, China

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Abstract

Background

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

New information

In this study, a list of 115 species representing 54 genera within 2 families (Aeolothripidae & Thripidae) is provided.Two of these, *Dichromomothrips nakahari* Moud, 1976 (Subfamily: Thripinae) and *Phibalothrips rugosus* Kudo, 1979 (Subfamily: Panchaetothripinae) are newly recorded in China. Thrips species with their host ranges, habits, and habitats are provided. Our study will contribute to the global biodiversity distribution data-gap of Thysanoptera.

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 (with exception to few tropical species which may reach 14 mm). They are characterized by piercing-sucking with the distinction of only one completed left mandible (Hunter and Ullman 1992). They exhibit high potential of sexual or parthenogenesis reproduction with rapid growth (Ananthakrishnan 1969, Ramakrishna and Margabandhu 1931) and a remarkable diversity of habitats. More than 50% are mycophagous with remaining phytophagous, and predators. Besides, few species have been recorded to annoy or bite people and cause non-severe skin irritation (Borror 1998).

The big gap of data availability on Thysanoptera geographical distribution (Priesner 1930), species composition, and their hosts is limited in China and in the world (Kudo 1979, Morgan 1913, ThripsWiki 2020). This challenge of poor biodiversity data is shared with the insect order of Collembola (Kuznetsova and Ivanova 2020). The main challenge in biodiversity data is to confirm ecology and host of winged thrips species which can suddenly move from a host plant to another, or be carried to other long distance hosts due to different factors such as human and animal activities (Mound 2005), and wind (Mound 1983).

Currently, information from previous taxonomic studies describes 6,288 existing (including synonymies) species representing 782 genera belonging to 8 families of suborder: Terebrantia in addition to single-family from Tubulifera (ThripsWiki 2020).

China's basic taxonomic work on Thysanoptera comprises two checklists (Zhang and Tong 1993, Mirab-balou et al. 2011) of which suborder Terebrantia comprises 290 species with presumably unpublished data of few individual species studied.

Although Xishuangbanna is the home for a unique evergreen boundless forest and the Tropical Botanical Garden, which is the most biodiversity-rich zone of China, Thysanoptera diversity and species composition have not been studied as much as other insect orders. This study was undertaken to investigate the diversity, species composition, their hosts, and to provide the data on Thysanoptera sub-order of Terebrantia for sustainable biodiversity, conservation, and Integrated Pest Management (IPM).

Materials and methods

Description of study areas

The study was conducted from 2015 May to 2020 August in 3 counties of Xishuangbanna Prefecture, Yunnan province, China. This area is located on the tropical northern edge of the southern tip of the Mountainous zone about 80 hectares. The tropical rainforest is completely similar to the typical equatorial tropical rainforest in fauna and flora characteristics. 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.

Sample collection

Natural forests, protected areas, agricultural fields, botanical gardens, degraded, and disturbed habitats were accessed during sample collection (Fig. 1) by following a method of Zhang et al. (2006). For soft plants or shrubs foliage or inflorescence exposed to the easy damage, the handshaking technique was applied. A fine hair brush was used to pick thrips from the white tray and transferred to 75% ethanol to be carried at 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.

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), ThripsWiki (2020), Masumoto and Okajima (2006)). Morphological characters were observed using the compound microscope (Olympus BX 41) under magnifications, 40X, 100X, and 400X. The photos of specific species were taken under CCD Zeiss Microscope 40X-1000X magnification.

The stored slides are labeled 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 and stored in boxes. Permanent specimens are deposited in the Insect Taxonomy laboratory at Yunnan Agricultural University, Kunming, China.

Checklist of Thysanoptera (Suborder: Terebrantia) from Xishuangbanna, Yunnan province, China

Mymarothrips garuda "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

a. scientificNameAuthorship: *Mymarothrips garuda* "Margabandhu," 1931; 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: 07-17-19; 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 alongsides with the yellow median region; head longer than wider; prothorax broader than longer; fore wings with an abroad transversal colourless patch with grey before apex.

Feeds on: predatory

Host of: predator

Distribution: Oriental, Indomalayan

Anisopilothrips venustulus "Priesner," 1923

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

Nomenclature:

Heliothrips venustulus Priesner, 1923: 89|*Astrothrips angulatus* Hood, 1925.

Material

a. scientificNameAuthorship: *Anisopilothrips venustulus* "Priesner," 1923; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun), Jinghong; decimalLatitude: 30.3427; decimalLongitude: 119.4338; samplingProtocol: sweeping and shaking; eventDate: 16-18/5/2019, 30/05/2018; 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: YAU5082020Tt2

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 subasally, 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 longitidinal 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.

Feeds on: leaves

Host of: tea tree, lotus, wide plant varieties

Distribution: Widely around the tropics

Araliacothrips daweishanensis "Li & Zhang," 2018

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

Nomenclature:

Araliacothrips daweishanensis Li, Li & Zhang, 2018: 7.

Material

a. scientificNameAuthorship: *Araliacothrips daweishanensis* "Li & Zhang," 2018; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai; decimalLatitude: 19.1167; decimalLongitude: 109.05; samplingProtocol: sweeping and shaking; eventDate: 05-16-19; 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.

Feeds on: leaves

Host of: 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:

Sempothrips asiaticus Bhatti, 1967: 7.

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Material

a. scientificNameAuthorship: ***Astrothrips asiaticus*** "Bhatti," 1967; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 30.3427; decimalLongitude: 119.4338; samplingProtocol: sweeping and shaking; eventDate: 01/06/2018, 11/03/2017; 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.

Feeds on: leaves

Host of: grasses

Distribution: Palaeotropics, from West Africa to Northern Australia, Japan and Southern China

Astrothrips aucubae "Kurosawa," 1932

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

Nomenclature:

Astrothrips aucubae Kurosawa, 1932: 230.

Material

a. scientificNameAuthorship: ***Astrothrips aucubae*** "Kurosawa," 1932; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.011754; decimalLongitude: 100.785957; samplingProtocol: sweeping and shaking; eventDate: 21/10/2017, 10/03/2017, 07/08/2017; 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

Host of: *Pueraria lobata* and *Ficus* tree

Distribution: Oriental

Astrothrips aureolus "Stannard & Mitri," 1962

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

Nomenclature:

Astrothrips aureolus Stannard & Mitri, 1962: 192.

Material

a. scientificNameAuthorship: ***Astrothrips aureolus*** "Stannard & Mitri," 1962; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 22.001969; decimalLongitude: 100.795012; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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: YAU5082020Tt6

Feeds on: leaves

Host of: *Ophiopogon japonicus* (Asparagaceae)

Distribution: Peninsular Malaysia, Northern Australia, and Southern China.

Astrothrips chisinliaoensis "Chen," 1980

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

Nomenclature:

Astrothrips chisinliaoensis Chen, 1980: 174.

Material

a. scientificNameAuthorship: ***Astrothrips chisinliaoensis*** "Chen," 1980; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.963829; decimalLongitude: 100.64345; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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: YAU5082020Tt7

Feeds on: leaves

Host of: ferns, *Ternstroemia pseudoverticillata*

Distribution: Republic of Moldova (Chisinliao), Malaysia, Southern China, and Taiwan

Astrothrips globiceps "Karny," 1913

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

Nomenclature:

Heliothrips globiceps Karny, 1913: 125.

Material

a. scientificNameAuthorship: *Astrothrips globiceps* "Karny," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 22.043353; decimalLongitude: 100.917923; samplingProtocol: sweeping and shaking; eventDate: 10-25-16; 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

Host of: onion

Distribution: Indonesia (Ralum), New Britain, Papua New Guinea, and China

Astrothrips strasseni "Kudo," 1979

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

Nomenclature:

Astrothrips strasseni Kudo, 1979: 346.

Material

a. scientificNameAuthorship: *Astrothrips strasseni* "Kudo," 1979; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai (Protected area); decimalLatitude: 22.010116; decimalLongitude: 100.958167; samplingProtocol: sweeping and shaking; eventDate: 05-16-19; 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

Host of: bamboo

Distribution: Myanmar, Southern China

Astrothrips tumiceps "Karny," 1923

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

Nomenclature:

Astrothrips tumiceps Karny, 1923: 331.

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Material

a. scientificNameAuthorship: ***Astrothrips tumiceps*** "Karny," 1923; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.004755; decimalLongitude: 100.922522; samplingProtocol: sweeping and shaking; eventDate: 01/06/2018, 11/03/2017; 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.

Feeds on: leaves

Host of: Moringa & Smilacaceae

Distribution: India, Pakistan, Thailand, Java, Philippines, northern Australia, and Southern China.

Caliothrips tongi "Mound, Zhang & Bei," 2011

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

Nomenclature:

Caliothrips tongi Mound Zhang & Bei, 2011: 58.

Material

a. scientificNameAuthorship: ***Caliothrips tongi*** "Schmutz," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.995104; decimalLongitude: 100.879979; samplingProtocol: sweeping and shaking; eventDate: 07-10-17; 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

Host of: Poaceae and wide range of host plant

Distribution: pantropic, Oriental, Australia

Copidothrips octarticulatus "Schmutz," 1913

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Copidothrips octarticulatus* "Schmutz," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical forest); decimalLatitude: 21.973654; decimalLongitude: 100.942069; samplingProtocol: sweeping and shaking; eventDate: 01/05/2018, 25/10/2017, 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.

Feeds on: leaves

Host of: asparagus, ferns and wide range of host plants

Distribution: Old World tropics, pantropic, Oriental, Australia

Helionothrips brunneipennis "Bagnal," 1915

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

Nomenclature:

Heliothrips brunneipennis Bagnall, 1915: 318.

Material

a. scientificNameAuthorship: *Helionothrips brunneipennis* "Bagnall," 1915; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.005827; decimalLongitude: 100.924822; samplingProtocol: sweeping and shaking; eventDate: 05-30-18; 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

Host of: *Reinwardtia indica* (Lauraceae)

Distribution: Sri Lanka and China

Helionothrips cephalicus "Hood," 1954

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

Nomenclature:

Helionothrips cephalicus Hood, 1954: 191.

Material

a. scientificNameAuthorship: *Helionothrips cephalicus* "Hood," 1954; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical forest); decimalLatitude: 22.109802; decimalLongitude: 100.87078; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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

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

Host of: Anacardiaceae and Poacea

Distribution: Malaysia and China (Sichuan, Taiwan)

Helionothrips mube "Kudo," 1992

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

Nomenclature:

Helionothrips mube Kudo, 1992: 275.

Material

a. scientificNameAuthorship: *Helionothrips mube* "Kudo," 1992; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Protected area); decimalLatitude: 22.177291; decimalLongitude: 100.890327; samplingProtocol: sweeping and shaking; eventDate: 03-10-17; 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

Host of: taro, papaya, Poaceae, vines

Distribution: Japan (Nagasaki, Inasayama,) and China (Shanxi, Yunnan, Taiwan)

Helionothrips parvus Bhatti, 1968

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

Nomenclature:

Helionothrips parvus Bhatti, 1968: 36.

Material

a. scientificNameAuthorship: *Helionothrips parvus* "Bhatti," 1968; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.177291; decimalLongitude: 100.861869; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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

Host of: Poaceae and Ferns

Distribution: India and China (Guangxi, Huaping, Yunnan)

Helionothrips rugatus "Mirab-balou & Tong," 2016

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

Nomenclature:

Helionothrips rugatus Mirab-balou & Tong, 2016: 146.

Material

a. scientificNameAuthorship: *Helionothrips rugatus* "Mirab-balou & Tong," 2016; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected area), Mengla (Menglun); decimalLatitude: 22.179968; decimalLongitude: 100.849508; samplingProtocol: sweeping and shaking; eventDate: 01/06/2018, 31/05/2018, 24/03/2017, 24/10/2017; 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

Host of: Poaceae, Cornaceae, blackberries, ferns, *Lophatherum gracile* and *Pueraria*

Distribution: Described from China, Guangdong; also recorded from Yunnan and Guangxi Provinces.

Helionothrips shennongjiaensis "Feng, Yang & Zhang," 2007

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

Nomenclature:

Helionothrips shennongjiaensis Feng, Yang & Zhang, 2007: 454.

Material

a. scientificNameAuthorship: *Helionothrips shennongjiaensis* "Feng, Yang & Zhang," 2007; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical rain forest); decimalLatitude: 21.922967; decimalLongitude: 101.184971; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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

Host of: Cyperaceae, Solanceae, Zingiberaceae, wide host plants

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

Heliothrips longisensibilis "Xie, Mound & Zhang," 2019

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

Nomenclature:

Heliothrips longisensibilis Xie, Mound & Zhang, 2019: 145.

Material

a. scientificNameAuthorship: *Heliothrips longisensibilis* "Xie, Mound & Zhang," 2019; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.918541; decimalLongitude: 101.184828; samplingProtocol: sweeping and shaking; eventDate: 30/05/2018, 11/03/2017, 24/03/2017; 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

Host of: tea, *Pinus*, ferns, *Tecoma stans*

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

Panchaetothrips bifurcus "Mirab-balou & Tong," 2016

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

Nomenclature:

Panchaetothrips bifurcus Mirab-balou & Tong, 2016: 151.

Material

a. scientificNameAuthorship: *Panchaetothrips bifurcus* "Mirab-balou & Tong," 2016; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical rain forest); decimalLatitude: 21.914651; decimalLongitude: 101.186983; samplingProtocol: sweeping and shaking; eventDate: 06-02-18; 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

Host of: Poaceae, Cornaceae, blackberries, ferns, and *Pueraria*

Distribution: Palaeotropics

Panchaetothrips indicus "Bagnal," 1912

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

Nomenclature:

Panchaetothrips indicus Bagnall, 1912: 258.

Material

a. scientificNameAuthorship: *Panchaetothrips indicus* "Bagnall," 1912; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Protected area); decimalLatitude: 21.916663; decimalLongitude: 101.193451; samplingProtocol: sweeping and shaking; eventDate: 09-30-11; 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: YAU5082020Tt21

Feeds on: leaves and flowers

Host of: cofee trees, bannanas, and bamboo

Distribution: Described from Madras, India, and recorded in China.

Phibalothrips peringueyi "Faure," 1925

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

Nomenclature:

Reticulothrips peringueyi Faure, 1925: 145.

Material

a. scientificNameAuthorship: *Phibalothrips peringueyi* "Faure," 1925; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.923101; decimalLongitude: 101.200925; samplingProtocol: sweeping and shaking; eventDate: 31/05/2018, 2018/8/2; 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

Host of: Poaceae and bamboo

Distribution: Oriental, Australia, Indomalayan

Phibalothrips rugosus "Kudo," 1979

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

Nomenclature:

Phibalothrips rugosus Kudo, 1979: 351.

Material

a. taxonRemarks: New record; scientificNameAuthorship: *Phibalothrips rugosus* "Kudo," 1979; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.919882; decimalLongitude: 101.191583; samplingProtocol: sweeping and shaking; eventDate: 03/08/2018, 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

Diagnosis: Female macropterous; body bicoloured (Fig. 10), head and thorax dark brown and constricted behind eye, abdomen yellow; legs and antennal segments III–V yellw; 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 elongate head that is strongly irregular circular reticulated and constricted behind the eyes.

Feeds on: leaves

Host of: Poaceae and bamboo

Distribution: Oriental,Australia, Indomalayan Described from Pretoria, South Africa, Taipei City in Taiwan, and Yunnan Province in Southern China.

Notes: Newly recorded in China

Rhipiphorothrips concoloratus "Zhang & Tong," 1993

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

Nomenclature:

Rhipiphorothrips concoloratus Zhang & Tong, 1993: 52.

Material

a. scientificNameAuthorship: *Rhipiphorothrips concoloratus* "Zhang & Tong," 1993; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.935842; decimalLongitude: 101.248356; samplingProtocol: sweeping and shaking; eventDate: 04-11-87; individualID: 1987-iv-11; individualCount: 2; sex: 1male, 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

Host of: hibiscus and grape

Distribution: Old World, Oriental

Rhipiphorothrips cruentatus "Hood," 1919

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Rhipiphorothrips cruentatus* "Hood," 1919; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.926454; decimalLongitude: 101.254249; samplingProtocol: sweeping and shaking; eventDate: 19989/22; 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.

Feeds on: leaves

Host of: grape

Distribution: Described from India, and recorded in Xishuangbanna prefecture, Yunnan Province, Southern China.

Rhipiphorothrips pulchellus "Morgan," 1913

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Rhipiphorothrips pulchellus* "Morgan," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.930611; decimalLongitude: 101.258129; samplingProtocol: sweeping and shaking; eventDate: 11-17-18; 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* differ 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.

Feeds on: leaves

Host of: grape and a wide range of fruits

Distribution: Described from Sri Lanka. Manila, Philippines. Recorded from India, Indonesia, and Xishuangbanna, Yunnan Province, China.

Selenothrips rubrocinctus "Giard," 1901

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Selenothrips rubrocinctus* "Giard," 1901; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.937451; decimalLongitude: 101.257842; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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 color, and the wings are dark, male similar to female but smaller.

Feeds on: leaves

Host of: Rosaceae

Distribution: Pantropic

Zaniothrips ricini "Bhatti," 1967

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

Nomenclature:

Zaniothrips ricini Bhatti, 1967: 6.

Material

a. scientificNameAuthorship: *Zaniothrips ricini* "Bhatti," 1967; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.932623; decimalLongitude: 101.271352; samplingProtocol: sweeping and shaking;

eventDate: 05-12-19; 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.

Feeds on: leaves

Host of: Moraceae

Distribution: Pantropic

Dendrothrips minowai "Priesner," 1935

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

Nomenclature:

Dendrothrips minowai Priesner, 1935: 353|*Dendrothrips schimae* Kudo, 1989: 42. Synonymised by Wang et al. (2019)

Material

a. scientificNameAuthorship: *Dendrothrips minowai* "Priesner," 1935; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai (Protected area), Mengla (Menglun); decimalLatitude: 21.923369; decimalLongitude: 101.276527; samplingProtocol: sweeping and shaking; eventDate: 05/12/2009, 02/12/2009, 06/04/2009; 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

Host of: tea leaves, Poaceae, and *Spatholobus suberectus* Dunn

Distribution: Old World, Australia

Dendrothrips strasseni "Bhatti," 1971

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

Nomenclature:

Dendrothrips strasseni Bhatti, 1971: 354.

Material

a. scientificNameAuthorship: ***Dendrothrips strasseni*** "Bhatti," 1971; 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

Host of: *Populus tremula* (Salicaceae)

Distribution: Described from Mumbai, India, and Xishuangbanna, Yunnan Province, Southern China.

Filicopsothrips pulcher "Li, Yuan & Zhang," 2020

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

Nomenclature:

Filicopsothrips pulcher Li, Yuan & Zhang, 2020: 297.

Material

a. scientificNameAuthorship: ***Filicopsothrips pulcher*** "Li, Yuan & Zhang," 2020; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.911298; decimalLongitude: 101.285581; samplingProtocol: sweeping and shaking; eventDate: 05-21-18; 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 bicolored (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.

Feeds on: leaves

Host of: grasses (Poaceae)

Distribution: Described from Yunnan Province, China (Li et al. 2020)

Pseudodendrothrips bhattii "Kudo," 1984

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

Nomenclature:

Pseudodendrothrips bhattii Kudo, 1984: 502.

Material

a. scientificNameAuthorship: ***Pseudodendrothrips bhattii*** "Kudo," 1984; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.914786; decimalLongitude: 101.291474; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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: YAU5082020Tt32

Feeds on: leaves

Host of: *Senegalia pennata* (Fabaceae)

Distribution: Oriental, Neotropical

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," 1908; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai (Protected area); decimalLatitude: 21.92404; decimalLongitude: 101.28515; samplingProtocol: sweeping and shaking; eventDate: |2017/10/24, 29/04/2010; 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

Host of: *Senegalia pennata* (Fabaceae)

Native status: Presumably Southeast Asia.

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

Pseudodendrothrips pueraria "Zhang & Tong," 1990

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

Nomenclature:

Pseudodendrothrips puerariae Zhang & Tong, 1990: 195.

Material

a. scientificNameAuthorship: ***Pseudodendrothrips pueraria*** "Zhang & Tong," 1990; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.926856; decimalLongitude: 101.317346; samplingProtocol: sweeping and shaking; eventDate: 04-07-87; 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

Host of: *Pueraria montana* (Fabaceae)

Distribution: Described from Mengla County, Xishuangbanna Prefecture, Yunnan, China.

Hydatothrips aureus "Bhatti," 1973

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

Nomenclature:

Hydatothrips aureus Bhatti, 1973: 420.

Material

a. scientificNameAuthorship: ***Hydatothrips aureus*** "Bhatti," 1973; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.927891; decimalLongitude: 101.311502; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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

Host of: *Callerya dielsiana* (Papilionaceae)

Distribution: Worldwide

Hydatothrips dorax "Bhatti," 1973

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

Nomenclature:

Hydatothrips dorax Bhatti, 1973: 424.

Material

a. scientificNameAuthorship: *Hydatothrips dorax* "Bhatti," 1973; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.959907; decimalLongitude: 100.463502; samplingProtocol: sweeping and shaking; eventDate: 02-10-17; 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: YAU5082020Tt36

Feeds on: flowers

Host of: grasses (Poaceae)

Distribution: India (Madhya Pradesh, Tamil Nadu), China (Xishuangbanna, Yunnan Province)

Hydatothrips flavidus "Wang," 2007

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

Nomenclature:

Hydatothrips flavidus Wang, 2007: 53.

Material

a. scientificNameAuthorship: *Hydatothrips flavidus* "Wang," 2007; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959857; decimalLongitude: 100.46016; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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: YAU5082020Tt37

Feeds on: flowers

Host of: *Litchi chinensis* (Sapindaceae)

Distribution: China (Taiwan and 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," 1925; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Naban He Protected area); decimalLatitude: 21.963879; decimalLongitude: 100.457142; samplingProtocol: sweeping and shaking; eventDate: 02-11-17; 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

Host of: raspberry and congograss

Distribution: Described from Sumatra, Indonesia, and India. Recorded from Bali, Singapore, China (Taiwan, and Yunnan), 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," 1995; 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: 02-02-11; 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

Host of: *Tagetes erecta* (Asteraceae)

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

Amomothrips associatus "Bhatti," 1978

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

Nomenclature:

Taeniothrips associatus Priesner, 1938: 483.

Material

a. scientificNameAuthorship: *Amomothrips associatus* "Priesner," 1938; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.962539; decimalLongitude: 100.446218; samplingProtocol: sweeping and shaking; eventDate: 09-30-11; 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 posteromaginal setae. Male similar to female but smaller.

Feeds on: flowers

Host of: *Alpinia vittata* (Zingiberaceae)

Distribution: Peninsular Malaysia and Yunnan China

Anaphothrips floralis "Karny," 1922

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

Nomenclature:

Anaphothrips floralis Karny, 1922: 109.

Material

a. scientificNameAuthorship: *Anaphothrips floralis* "Karny," 1922; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.963879; decimalLongitude: 100.359622; samplingProtocol: sweeping and shaking; eventDate: 04-17-09; 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

Host of: dandelion and allium (Fabaceae and Liliaceae)

Distribution: Old World tropics to Australia

Anaphothrips incertus "Girault," 1929

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

Nomenclature:

Limothrips incertus Girault, 1929: 3.

Material

a. scientificNameAuthorship: *Anaphothrips incertus* "Girault," 1929; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.045911; decimalLongitude: 100.479779; samplingProtocol: sweeping and shaking; eventDate: 05-28-18; 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

Host of: *Kyllinga brevifolia* (Poaceae)

Distribution: Described from Queensland, Australia, South China.

Anascirtothrips discordiae "Chen & Lu," 1994

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

Nomenclature:

Anascirtothrips discordiae Chen & Lu, 1994: 90.

Material

a. scientificNameAuthorship: *Anascirtothrips discordiae* "Chen & Lu," 1994; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.917631; decimalLongitude: 100.407825; samplingProtocol: sweeping and shaking; eventDate: 06-24-17; 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

Host of: ficus, *Vitis amurensis*

Distribution: Nearctic, Australia

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

a. scientificNameAuthorship: *Arorathrips mexicanus* "Crawford DL," 1909; 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: 10-22-17; 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

Host of: Grasses (Poaceae)

Distribution: Neotropical

Aroidothrips longistylus "Ananthakrishnan," 1960

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

Nomenclature:

Aroidothrips longistylus Ananthakrishnan, 1960: 562.

Material

a. scientificNameAuthorship: *Aroidothrips longistylus* "Ananthakrishnan," 1960; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.96147; decimalLongitude: 100.462909; samplingProtocol: sweeping and shaking; eventDate: 27/05/2018, 22/10/2017, 25/03/2017, 11/03/2017; 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: unlear

Host of: Chloranthaceae, *Ficus vasculosa*, *Pittosporopsis kerrii* (Alseuosmiaceae)

Distribution: Pantropic

Ayyaria Karny chaetophora "Karny," 1926

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

Nomenclature:

Ayyaria chaetophora Karny, 1926: 193|*Ayyaria chaetophora* Karny, 1926: 193|*Bussothrips claratibia* Moulton, 1935: 475|*Parafrankliniella fasciatus* Kurosawa, 1937: 271|*Parafrankliniella subfasciatus* Kurosawa, 1968: 24.

Material

a. scientificNameAuthorship: *Ayyaria chaetophora* "Karny," 1926; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959819; decimalLongitude: 100.460016; samplingProtocol: sweeping and shaking; eventDate: 16/02/2019, 11/03/2017; 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: YAU5082020Tt46

Feeds on: leaves

Host of: *Litchi chinensis* , mango

Distribution: Oriental, Australian regions

Bathrips jasminae "Ananthakrishnan," 1968

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

Nomenclature:

Bathrips jasminae Ananthakrishnan, 1968: 260.

Material

a. scientificNameAuthorship: *Bathrips jasminae* "Ananthakrishnan," 1968; 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: 03-11-17; 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: YAU5082020Tt47

Feeds on: leaves

Host of: golden privet, tea, jasmine, *Osmanthus fragrans*

Distribution: Oriental, Australian

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," 1946; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.957163; decimalLongitude: 100.46193; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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

Host of: Sweet potato, *Lantana camara*, mango tree, beans, and eggplants

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

Nomenclature:

Bolacidothrips graminis Priesner, 1930: 6.

Material

a. scientificNameAuthorship: *Bolacothrips graminis* "Priesner," 1930; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.957615; decimalLongitude: 100.462244; samplingProtocol: sweeping and shaking; eventDate: 12-27-11; 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

Host of: Poaceae

Distribution: Palearctic, Australia

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," 1913; 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, 2017/10/22; 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

Host of: Poaceae

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

Bregmatothrips sinensis "Wang & Tong," 2016

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

Nomenclature:

Bregmatothrips sinensis Wang & Tong, 2016: 254.

Material

a. scientificNameAuthorship: ***Bregmatothrips sinensis*** "Wang & Tong," 2016; 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: 08-02-18; 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

Host of: Poaceae

Distribution: The species was described from China, Guangdong (Wang et al. 2016). Oriantal species, presumably from Old World.

Chaetanaphothrips longisetis "Nonaka & Okajima," 1992

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

Nomenclature:

Chaetanaphothrips longisetis Nonaka & Okajima, 1992: 440.

Material

a. scientificNameAuthorship: *Chaetanaphothrips longisetis* "Nonaka & Okajima," 1992; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Bubang village); decimalLatitude: 21.993361; decimalLongitude: 100.958531; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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

Host of: oak tree

Distribution: Oriental, Neotropical

Chaetanaphothrips orchidii "Moulton," 1907

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Chaetanaphothrips orchidii* "Moulton," 1907; 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

Host of: *Pueraria montana*

Distribution: Recorded from Indonesia. Widespread around the world.

Chaetanaphothrips querci "Kudo," 1985

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

Nomenclature:

Chaetanaphothrips querci Kudo, 1985: 324.

Material

a. scientificNameAuthorship: *Chaetanaphothrips querci* "Kudo," 1985; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.978615; decimalLongitude: 100.942433; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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

Host of: Tea leaves

Distribution: Described from Wakisaki, Nagasaki, Japan, and recorded from Southern 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," 1921; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.027942; decimalLongitude: 100.891984; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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

Host of: tea leaves

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

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," 1988; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.978615; decimalLongitude: 100.942433; samplingProtocol: sweeping and shaking; eventDate: 08/10/2018, 10/03/2017; 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

Host of: mosses

Distribution: Described from Reunion island (Mare Longue) and 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," 1921; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.03357; decimalLongitude: 100.933953; samplingProtocol: sweeping and shaking; eventDate: 22/10/2018, 10/03/2017; 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

Host of: banana and camphor tree

Distribution: Oriental

Dendrothripoides poni "Kudo," 1977

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

Nomenclature:

Dendrothripoides poni Kudo, 1977: 497.

Material

a. scientificNameAuthorship: ***Dendrothripoides poni*** "Kudo," 1977; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai, Jinghong; decimalLatitude: 21.99068; decimalLongitude: 101.00438; samplingProtocol: sweeping and shaking; eventDate: 05-28-18; 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

Host of: Poaceae, Sterculiaceae

Distribution: Ethiopian, Oriental

Dendrothripoides innoxius "Farny," 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 ipomeae Bondar, 1930: 18|*Scirtothrips gladiiseta* Girault, 1933: 2.

Material

a. scientificNameAuthorship: ***Dendrothripoides innoxius*** "Karny," 1914; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.996042; decimalLongitude: 101.000931; samplingProtocol: sweeping and shaking; eventDate: 28/05/2018, 11/03/2017, 2017/10/24; 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

Host of: potatoes leaves

Distribution: Indonesia, India, China, Brazil, Australia, and Nepal. Widespread in the Oriental and Pacific regions.

Dichromothrips nakahari "Mound," 1976

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

Nomenclature:

Dichromothrips nakahari Mound, 1976: 258.

Material

a. taxonRemarks: New record; scientificNameAuthorship: *Dichromothrips nakahari* "Mound," 1976; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 21.980492; decimalLongitude: 100.999494; samplingProtocol: sweeping and shaking; eventDate: 10-02-11; 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 posteroangular setae sub equally in length; posterolateral magrigins of tergites with well developped michrotrichia; metanotum weakly reticulated; abdominal tergites I-VIII without sculpture medially.

Feeds on: flowers

Host of: dendrobium

Distribution: China, India, and USA

Dichromothrips smithi "Zimmermann," 1900

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

Nomenclature:

Physopus smithi Zimmermann, 1900: 10.

Material

a. scientificNameAuthorship: *Dichromothrips smithi* "Zimmermann," 1900; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village); decimalLatitude: 21.967621; decimalLongitude: 100.806322; samplingProtocol: sweeping and shaking; eventDate: 10-25-17; 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

Host of: dendrobium

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

Echinothrips americanus "Morgan," 1913

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

Nomenclature:

Echinothrips americanus Morgan, 1913: 14|*Dictyothrips floridensis* Watson, 1919: 2.

Material

a. scientificNameAuthorship: *Echinothrips americanus* "Morgan," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 21.920687; decimalLongitude: 101.186341; samplingProtocol: sweeping and shaking; eventDate: 09/03/2017, 2017/10/25; 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

Host of: *Alocasia macrorrhizos* (Araceae)

Distribution: Neotropical, Nearctic

Ernothrips immsi "Bagnall," 1926

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

Nomenclature:

Physothrips immsi Bagnall, 1926: 106.

Material

a. scientificNameAuthorship: *Ernothrips immsi* "Bagnall," 1926; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 21.923772; decimalLongitude: 101.195684; samplingProtocol: sweeping and shaking; eventDate: 03-08-09; 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

Host of: citrus

Distribution: Oriental

Ernothrips lobatus "Bhatti," 1967

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Ernothrips lobatus* "Bagnall," 1926; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 21.923503; decimalLongitude: 101.201002; samplingProtocol: sweeping and shaking; eventDate: 23/01/2010, 24/03/2009, 11/10/2009; 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

Host of: 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 successiful pollinator in Dioscorea (Dioscoreaceae) (Li et al. 2014).

Ernothrips longitudinalis "Zhou, Zhang & Feng," 2008

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

Nomenclature:

Ernothrips longitudinalis Zhou, Zhang & Feng, 2008: 94.

Material

a. scientificNameAuthorship: *Ernothrips longitudinalis* "Zhou, Zhang & Feng," 2008; 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

Host of: Brassicaceae

Distribution: Described from Henan and recorded in 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," 1902; 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: 09-15-11; 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

Host of: Wide range of host plants

Distribution: Worldwide

Notes: Vector of tomato spotted wilt virus (TSWV)

Frankliniella intonsa "Trybom," 1895

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

Nomenclature:

Thrips intonsa Trybom, 1895: 182|*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," 1895; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Menghai, Jinghong; decimalLatitude: 21.910225; decimalLongitude: 101.272866; samplingProtocol: sweeping and shaking; eventDate: 03-10-17; 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

Host of: Cucurbitaceae, Fabacea, Brassicaceae, Solanaceae

Distribution: Worldwide

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 chrysanthemi* 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," 1895; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha village; decimalLatitude: 21.935976; decimalLongitude: 101.263955; samplingProtocol: sweeping and shaking; eventDate: 10-06-15; 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 on leaves

Host of: potatoes and banana flowers

Distribution: Worldwide

Notes: Vector of tomato spotted wilt virus (TSWV)

Isunidothrips serangga "Kudo," 1992

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

Nomenclature:

Isunidothrips serangga Kudo, 1992: 98.

Material

a. scientificNameAuthorship: ***Isunidothrips serangga serangga*** "Kudo," 1992; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha village; decimalLatitude: 21.920955; decimalLongitude: 101.289826; samplingProtocol: sweeping and shaking; eventDate: 07-02-18; 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

Host of: fronds of ferns, Cyperaceae

Distribution: Palearctic

Lefroyothrips lefroyi "Bagnall," 1913

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

Nomenclature:

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

Material

a. scientificNameAuthorship: ***Lefroyothrips lefroyi*** "Bagnall," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.706336; decimalLongitude: 101.511312; samplingProtocol: sweeping and shaking; eventDate: 2018/5/26, 22/10/2017; 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

Host of: tea tree, mango, and papaya

Distribution: Afrotropical, Oriental regions

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," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha Village); decimalLatitude: 21.643996; decimalLongitude: 101.789571; samplingProtocol: sweeping and shaking; eventDate: 05-21-17; 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

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

Host of: *Erythrina variegata* L., *Psidium guava*, mango

Distribution: Old World

Megalurothrips typicus "Bagnall," 1913

- 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

a. scientificNameAuthorship: *Megalurothrips typicus* "Bagnall," 1915; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.851196; decimalLongitude: 100.953357; samplingProtocol: sweeping and shaking; eventDate: 28/05/2018, 22/10/2017, 23/10/2017, 24/10/2017; 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

Host of: kalancho, mango, papaya

Distribution: Described from Malaysia, Indonesia China, Taiwan

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

a. scientificNameAuthorship: *Megalurothrips usitatus* "Bagnall," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha village; decimalLatitude: 21.854416; decimalLongitude: 100.944158; samplingProtocol: sweeping and shaking; eventDate: 2016/8/29, 2016/8/25; 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

Host of: Fabaceae, Poaceae, mango

Distribution: Widely distributed in Old World.

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 jigonshanensis* Feng, 1998: 258|*Microcephalothrips yanglinensis* Feng, Zhang & Sha, 2002: 167.

Material

a. scientificNameAuthorship: *Microcephalothrips abdominalis* "Crawford DL," 1910; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.859515; decimalLongitude: 100.956519; samplingProtocol: sweeping and shaking; eventDate: 06-02-18; 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

Host of: sunflower

Distribution: Oriental, Palearctic

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," 1972; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected area); decimalLatitude: 22.011754; decimalLongitude: 100.785957; samplingProtocol: sweeping and shaking; eventDate: 05-04-17; 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

Host of: ferns

Distribution: Oriental

Organothrips longisetosus "Zhang & Tong," 1992

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

Nomenclature:

Graminothrips longisetosus Zhang & Tong, 1992: 84.

Material

a. scientificNameAuthorship: *Organothrips longisetosus* "Zhang & Tong," 1992; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected area); decimalLatitude: 22.001969; decimalLongitude: 100.795012; samplingProtocol: sweeping and shaking; eventDate: 07-02-18; 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

Host of: *Arthraxon hispidus* (Poaceae)

Distribution: Described from Guangxi Province, Longgang nature Protection zone and recorded in Xishuangbanna Tropical Botanical Garden, Yunnan Province China.

Plesiothrips perplexus "Beach," 1896

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

Nomenclature:

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

Material

a. scientificNameAuthorship: Plesiothrips perplexus "Beach," 1896; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.963829; decimalLongitude: 100.64345; samplingProtocol: sweeping and shaking; eventDate: 10-22-17; 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

Host of: corns

Distribution: Neotropical

Rhamphothrips aureus "Ananthakrishnan," 1954

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Rhamphothrips aureus* "Ananthakrishnan," 1954; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Menglun); decimalLatitude: 22.043353; decimalLongitude: 100.917923; samplingProtocol: sweeping and shaking; eventDate: 03-10-17; 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

Host of: bamboo, Euphorbiaceae

Distribution: Old World tropics

Rhamphothrips bruceae "Li & Zhang," 2018

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

Nomenclature:

Rhamphothrips bruceae Li & Zhang, 2018

Material

a. scientificNameAuthorship: *Rhamphothrips bruceae* "Li & Zhang," 2018; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Naban He Protected area); decimalLatitude: 22.010116; decimalLongitude: 100.958167; samplingProtocol: sweeping and shaking; eventDate: 06-01-18; 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

Host of: Brucea (Simaroubaceae)

Distribution: Xishuangbanna, Yunnan, China (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," 1919; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Naban He Protected area); decimalLatitude: 22.004755; decimalLongitude: 100.922522; samplingProtocol: sweeping and shaking; eventDate: 04-26-09; 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

Host of: Fabaceae

Distribution: Described from Tamil Nadu, Coimbatore, India, and recorded in Xishuangbanna Tropical Botanical Garden, Yunnan Province, China (Li et al. 2018a)

Rhamphothrips santokhi "Kulshrestha & Vijay Veer," 1984

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

Nomenclature:

Rhamphothrips santokhi Kulshrestha & Vijay Veer, 1984: 36.

Material

a. scientificNameAuthorship: *Rhamphothrips santokhi* "Kulshrestha & Vijay Veer," 1984; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Bubang village); decimalLatitude: 21.995104; decimalLongitude: 100.879979; samplingProtocol: sweeping and shaking; eventDate: 03-10-17; 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

Host of: Euphorbiaceae

Distribution: Described from Dehradun, India, and recorded from Xishuangbanna, Yunnan Province, China.

Salpingothrips aimotofus "Kudo," 1972

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

Nomenclature:

Salpingothrips aimotofus Kudo, 1972: 230.

Material

a. scientificNameAuthorship: *Salpingothrips aimotofus* "Kudo," 1972; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.973654; decimalLongitude: 100.942069; samplingProtocol: sweeping and shaking; eventDate: 10-22-17; 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

Host of: *Pueraria montana*

Distribution: Oriental

Scirtothrips dorsalis "Hood," 1919

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

Nomenclature:

Scirtothrips dorsalis Hood, 1919: 90|*Heliothrips 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

a. scientificNameAuthorship: *Scirtothrips dorsalis* "Hood," 1919; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.005827; decimalLongitude: 100.924822; samplingProtocol: sweeping and shaking; eventDate: 05-27-18; 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

Host of: tea tree, pipper, beans

Distribution: Oriental, Australia, Neotropical

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

a. scientificNameAuthorship: *Scolothrips asura* "Ramakrishna & Margabandhu," 1931; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 22.109802; decimalLongitude: 100.87078; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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: predatory

Host of: predator

Distribution: Old World, Neotropical

Scolothrips takahashii "Priesner," 1950

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Scolothrips takahashii* "Priesner," 1950; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Xishuangbanna (Different sites); decimalLatitude: 22.177291; decimalLongitude: 100.890327; samplingProtocol: sweeping and shaking; eventDate: 06-24-20; 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: predatory

Host of: predator

Distribution: Described from India and China. Recorded from Ryukyu island, Japan, Taiwan, Thailand, and Northern Australia.

Sorghothrips meishanensis "Chen," 1977

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

Nomenclature:

Sorghothrips meishanensis Chen, 1977: 147.

Material

a. scientificNameAuthorship: *Sorghothrips meishanensis* "Chen," 1977; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected area + Mansha village); decimalLatitude: 22.177291; decimalLongitude: 100.861869; samplingProtocol: sweeping and shaking; eventDate: 03-11-17; 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

Host of: corns, sugarcane

Distribution: Old World, Oriental

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," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 22.179968; decimalLongitude: 100.849508; samplingProtocol: sweeping and shaking; eventDate: 21/10/2017, 06/04/2009; 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

Host of: bamboo, Poaceae

Distribution: Old World, Palearctic

Stenchaetothrips brochus "Wang," 2000

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

Nomenclature:

Stenchaetothrips brochus Wang, 2000: 247.

Material

a. scientificNameAuthorship: *Stenchaetothrips brochus* "Wang," 2000; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Mansha village); decimalLatitude: 21.922967; decimalLongitude: 101.184971; samplingProtocol: sweeping and shaking; eventDate: 04-14-17; 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

Host of: bamboo

Distribution: Southern China and Taiwan

Stenchaetothrips cymbopogoni "Zhang & Tong," 1990

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

Nomenclature:

Stenchaetothrips cymbopogoni Zhang & Tong, 1990: 108.

Material

a. scientificNameAuthorship: *Stenchaetothrips cymbopogoni* "Zhang & Tong," 1990; 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: 12-27-10; 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: YAU5082020Tt93

Feeds on: leaves

Host of: mango, citronella, sugarcane

Distribution: Hainan and Yunnan 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," 1906; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.914651; decimalLongitude: 101.186983; samplingProtocol: sweeping and shaking; eventDate: 03-10-17; 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: YAU5082020Tt94

Feeds on: leaves

Host of: bamboo, Poaceae, prunella

Distribution: Indonesia, 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," 1990; 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: YAU5082020Tt96

Feeds on: leaves, bulbs, flowers

Host of: Orchidaceae

Distribution: Holarctic

Tameothrips arundo "Kumar & Chauhan," 2015

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

Nomenclature:

Tameothrips arundo Tyagi, Kumar & Chauhan, 2015: 284.

Material

a. scientificNameAuthorship: *Tameothrips arundo* "Tyagi, Kumar & Chauhan," 2015; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.923101; decimalLongitude: 101.200925; samplingProtocol: sweeping and shaking; eventDate: 03-10-17; 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: YAU5082020Tt97

Feeds on: flowers

Host of: arundo grasses

Distribution: Palearctic

Thrips andrewsi "Bagnal," 1921

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

Nomenclature:

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

Material

a. scientificNameAuthorship: *Thrips andrewsi* "Bagnall," 1921; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.919882; decimalLongitude: 101.191583; samplingProtocol: sweeping and shaking; eventDate: 05-06-16; 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: YAU5082020Tt98

Feeds on: flowers

Host of: mango, longgan, tea

Distribution: Worldwide

Thrips atactus "Bhattii," 1967

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

Nomenclature:

Thrips atactus Bhatti, 1967: 17.

Material

a. scientificNameAuthorship: *Thrips atactus* "Bhatti," 1967; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Nabanhe Protected area); decimalLatitude: 21.935842; decimalLongitude: 101.248356; samplingProtocol: sweeping and shaking; eventDate: 11/03/2017, 10/03/2017; 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: YAU5082020Tt99

Feeds on: flowers

Host of: Caricaceae, Rosaceae, Fagaceae

Distribution: Oriental

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," 1915; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Botanical garden); decimalLatitude: 21.926454; decimalLongitude: 101.254249; samplingProtocol: sweeping and shaking; eventDate: 10-22-17; 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

Host of: potatoe, eucalyptus

Distribution: Many countries around the world where Eucalyptus species are grown

Thrips coloratus "Shumsher," 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

a. scientificNameAuthorship: *Thrips coloratus* "Schmutz," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong (Yexianggu); decimalLatitude: 21.930611; decimalLongitude: 101.258129; samplingProtocol: sweeping and shaking; eventDate: 04-17-09; 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

Host of: Potatoes, mango, citrus

Distribution: Described from Sri Lanka, 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

a. scientificNameAuthorship: *Thrips flavus* "Schrank," 1776; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 21.937451; decimalLongitude: 101.257842; samplingProtocol: sweeping and shaking; eventDate: 05-05-16; 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

Host of: chinese rose, mango flowers, Fabaceae

Distribution: Widely distributed

Thrips hawaiiensis "Morgan," 1913

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

Nomenclature:

Euthrips hawaiiensis Morgan, 1913: 3|*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

a. scientificNameAuthorship: *Thrips hawaiiensis* "Morgan," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.932623; decimalLongitude: 101.271352; samplingProtocol: sweeping and shaking; eventDate: 23/08/2019, 28/05/2018, 11/03/2017, 28/05/2014; 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

Host of: Cannaceae, Irideae, Fabaceae, Cucurbitaceae, tea, and mango (flowers)

Distribution: 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," 1915; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.923369; decimalLongitude: 101.276527; samplingProtocol: sweeping and shaking; eventDate: 28/05/2018, 25/10/2017; 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

Host of: jasmine

Distribution: Widely distributed

Thrips palmi "Karny," 1925

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

Nomenclature:

Thrips palmi Karny, 1925: 10|*Thrips clarus* Moulton, 1928: 294|Thrips leucadophilus Priesner, 1936: 91|*Thrips gossypicola* Ramakrishna & Marghabandu, 1939: 41|*Chloethrips* (*Mictothrips*) *aureus* Ananthakrishnan & Jagadish, 1967: 381. Synonymised by Bhatti (1970)|*Thrips gracilis* Ananthakrishnan & Jagadish, 1968: 361. Synonymised by Bhatti (1970).

Material

a. vernacularName: melon thrips; scientificNameAuthorship: *Thrips palmi* "Karny," 1925; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.915456; decimalLongitude: 101.275664; samplingProtocol: sweeping and shaking; eventDate: 2019/8/18, 12/05/2017, 08/09/2017, 09/08/2017, 12/05/2016, 11/05/2016, 17/03/2016, 06/10/2015, 07/10/2015; 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

Host of: Apiaceae, pepper, eggplants, carrot, potatoes

Distribution: Widely distributed from the tropics to Caribbean regions

Thrips subnudula "Karny," 1926

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

Nomenclature:

Ramaswamiahiella 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," 1926; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.911298; decimalLongitude: 101.285581; samplingProtocol: sweeping and shaking; eventDate: 04-23-08; 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

Host of: mango, amaranthus

Distribution: Described from India and recorded from Pakistan, Bali, Philippines, Uganda, and Nigeria, Malaysia, and China

Thrips taiwanus "Morgan," 1913

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

Nomenclature:

Thrips taiwanus Morgan, 1913

Material

a. scientificNameAuthorship: *Thrips taiwanus* "Morgan," 1913; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.914786; decimalLongitude: 101.291474; samplingProtocol: sweeping and shaking; eventDate: 03-09-17; 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

Host of: Caricaceae

Distribution: Oriental. From Thailand, the Philippines, Northern Australia, and China

Thrips tabaci "Widgalm in Portschinsky," 1883

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

Nomenclature:

Thrips solanaceorum Widgalm in Portschinsky, 1883: 44|*Thrips tabaci* Lindeman, 1889: 61|*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

a. vernacularName: Onion thrips; scientificNameAuthorship: *Thrips tabaci* "Widgalm in Portschinsky," 1883; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 21.92404; decimalLongitude: 101.28515; samplingProtocol: sweeping and shaking; eventDate: 27/10/2019, 09/03/2017, 22/08/2016, 27/07/2016, 23/04/2015, 19/04/2010; 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

Host of: onion, galic, tobacco, mango

Distribution: Widely distributed

Trachynotothrips striatus "Masumoto & Okajima," 2005

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

Nomenclature:

Trachynotothrips striatus Masumoto & Okajima, 2005: 59.

Material

a. scientificNameAuthorship: *Trachynotothrips striatus* "Masumoto & Okajima," 2005; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.926856; decimalLongitude: 101.317346; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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.

Feeds on: leaves

Host of: Poaceae

Distribution: Pantropic

Trichromothrips alis "Bhatti," 1967

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

Nomenclature:

Trichromothrips alis Bhatti, 1967: 20.

Material

a. scientificNameAuthorship: *Trichromothrips alis* "Bhatti," 1967; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.927891; decimalLongitude: 101.311502; samplingProtocol: sweeping and shaking; eventDate: 10-24-17; 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

Host of: cosmianthemum

Distribution: Worldwide

Trichromothrips antidesmae "Li, Li & Zhang," 2019

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

Nomenclature:

Trichromothrips antidesmae Li, Li & Zhang, 2019: 81.

Material

a. scientificNameAuthorship: *Trichromothrips antidesmae* "Li, Li & Zhang," 2019; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959907; decimalLongitude: 100.463502; samplingProtocol: sweeping and shaking; eventDate: 2017/10/24, 12/03/2017, 10/03/2017; 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.

Feeds on: leaves

Host of: antidesma

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

Trichromothrips assamensis "Tyagi & Kumar," 2017

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

Nomenclature:

Trichromothrips assamensis Tyagi & Kumar, 2017: 145.

Material

a. scientificNameAuthorship: *Trichromothrips assamensis* "Tyagi & Kumar," 2017; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.959857; decimalLongitude: 100.46016; samplingProtocol: sweeping and shaking; eventDate: 2018/06/01, 2017/10/24; 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

Host of: Poaceae

Distribution:

Described from India (Tyagi et al. 2017). Recorded from Xishuangbanna, Yunnan Province, China.

Trichromothrips crispator "Karny," 1915

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

Nomenclature:

Physothrips crispator Karny, 1915: 35.

Material

a. scientificNameAuthorship: *Trichromothrips crispator* "Karny," 1915; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.963879; decimalLongitude: 100.457142; samplingProtocol: sweeping and shaking; eventDate: 06-01-18; 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

Host of: Acanthaceae

Distribution: Described from Java, Indonesia, and recorded in 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," 1967; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.954225; decimalLongitude: 100.44859; samplingProtocol: sweeping and shaking; eventDate: 09-30-11; 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

Host of: Poaceae

Distribution: Described from India and recorded from China.

Trichromothrips formosus "Masumoto & Okajima," 2005

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

Nomenclature:

Trichromothrips formosus Masumoto & Okajima, 2005: 11.

Material

a. scientificNameAuthorship: *Trichromothrips formosus* "Masumoto & Okajima," 2005; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Bubang village); decimalLatitude: 21.962539; decimalLongitude: 100.446218; samplingProtocol: sweeping and shaking; eventDate: 05-19-18; 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

Host of: Chloranthaceae

Distribution: Described from Tokyo, Japan. Recorded from Southeast China and Taiwan

Trichromothrips guizhouensis "Li, Li & Zhang," 2019

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

Nomenclature:

Trichromothrips guizhouensis Li, Li & Zhang, 2019: 83.

Material

a. scientificNameAuthorship: *Trichromothrips guizhouensis* "Li, Li & Zhang," 2019; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.963879; decimalLongitude: 100.359622; samplingProtocol: sweeping and shaking; eventDate: 31/05/2018, 30/05/2018, 28/05/2018; 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

Host of: Sapotaceae

Distribution: Distributed from Guizhou and Yunnan Province, Southeast of China.

Trichromothrips indicus "Bhatti," 1978

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

Nomenclature:

Dorcadothrips indicus Bhatti, 1978: 423.

Material

a. scientificNameAuthorship: *Trichromothrips indicus* "Bhatti," 1978; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla; decimalLatitude: 22.045911; decimalLongitude: 100.479779; samplingProtocol: sweeping and shaking; eventDate: 09-30-11; 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

Host of: Poaceae

Distribution: From India and South China

Trichromothrips trifasciatus "Priesner," 1936

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

Nomenclature:

Taeniothrips trifasciatus Priesner, 1936: 323.

Material

a. scientificNameAuthorship: *Trichromothrips trifasciatus* "Priesner," 1936; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Mengla (Tropical Botanical Garden); decimalLatitude: 21.917631; decimalLongitude: 100.407825; samplingProtocol: sweeping and shaking; eventDate: 10-22-17; 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).

Feeds on: leaves

Host of: potatoe leaves

Distribution: Described from Sumatra, Indonesia, and recorded from Xishuangbanna Natural Reserve, Yunnan, China.

Tusothrips immaculatus "Reyes," 1994

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

Nomenclature:

Tusothrips immaculatus Reyes, 1994: 304.

Material

a. scientificNameAuthorship: *Tusothrips immaculatus* "Reyes," 1994; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.961529; decimalLongitude: 100.462693; samplingProtocol: sweeping and shaking; eventDate: 24/10/2017, 11/08/2017; 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

Host of: Rutaceae

Distribution: Described from Philippine and recorded from Xishuangbanna, Yunnan, China.

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," 1925; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Different sites; decimalLatitude: 21.96147; decimalLongitude: 100.462909; samplingProtocol: sweeping and shaking; eventDate: 02/06/2018, 01/06/2018, 21/10/2017; 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

Host of: Urticaceae, Acanthaceae

Distribution: Oriental. Described from Japan andRecorded from China.

Yoshinothrips pasekamui "Kudo," 1985

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

Nomenclature:

Yoshinothrips pasekamui Kudo, 1985: 82.

Material

a. scientificNameAuthorship: *Yoshinothrips pasekamui* "Kudo," 1985; country: China; stateProvince: Yunnan; municipality: Xishuangbanna; locality: Jinghong; decimalLatitude: 21.959819; decimalLongitude: 100.460016; samplingProtocol: sweeping and shaking; eventDate: 02/06/2018, 28/05/2018; 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

Host of: bamboo

Distribution: Oriental. Described from Japan and recorded from Xishuangbanna, Yunnan, China.

Analysis

Surveyed plant families

During the whole survey period, it is estimated that 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 mousses). 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 115 species in 55 genera within 2 families: Aeolothripidae and Thripidae were recorded. Thripidae is the most diverse family represented with 114 species whereas Aelothripidae is represented with a single species. *Thrips* genus is represented with 11 species and *Trichromothrips* with 10 species both as the most commonly encountered taxa. *Dichromomothrips nakahari* Mound, 1976 (Subfamily: Thripinae), and *Phibalothrips rugosus Kudo, 1979* (Subfamily: Panchaetothripinae) are newly recorded for the Chinese Thysanoptera fauna. The distribution map (Fig. 22) of Terebrantian Thysanoptera in Xishuangbanna is provided with supplementary material for details (Suppl. material 1).

Discussion

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 2 newly recorded species in China. Some species from references were lacking enough information for the records. The deep inventories on the stored specimens and open, readily accessible online or digitised data are required for sustainable taxonomic study as demostrated by Specht et al. (2018). Recorded species are representing 40.3% of 313 species of the Terebrantian Thysanoptera of China. Our results showed that Xishuangbanna is the richest area in Thysanoptera composition to be taken into consideration for biodiversity conservation. Besides, further investigations are suggested to study the species variation and Thysanoptera ecosystem services provided in this area.

Acknowledgements

We are especially grateful to Liu Hui, Zhang Caihong, and other collectors who contributed to this work. Special thanks to Prof Zhang Hongrui for her time and provided suggestions on this manuscript. We also thank all the BDJ Editors and contributors for their time and important information on the alpha writing tool application.

Author contributions

These authors have special contributions to this work. NE, ZHR designed the experiments; NE, LYJ, XYL contributed to field collections, Identification works, and Photographs; ZYL contributed to host plant Identification; NE analyzed the data. While NE and ZHR drafted the manuscript. All authors read and approved the final manuscript.

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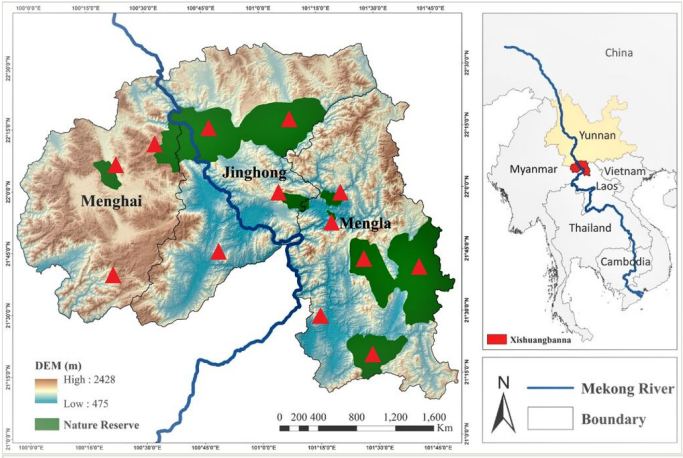

Figure 1.

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

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Figure 2.

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

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Figure 3.

Female of *Anisopilothrips venustulus* Priesner, 1923.

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Figure 4.

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

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Figure 5.

Male of *Astrothrips asiaticus* Bhatti, 1967.

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Figure 6.

Female of *Astrothrips tumiceps* Karny, 1923.

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Figure 7.

Female of *Copidothrips octarticulatus* Schmutz, 1913.

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Figure 8.

Female of *Helionothrips cephalicus* Hood, 1954.

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Figure 9.

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

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Figure 10.

Female of *Phibalothrips rugosus* Kudo, 1979 (**new record**).

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Figure 11.

Female of *Rhipiphorothrips cruentacus* Hood, 1919.

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Figure 12.

Male of *Rhipiphorothrips pulchellus* Morgan, 1913.

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Figure 13.

Female of *Selenothrips rubrocinctus* Giard, 1901.

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Figure 14.

Female of *Zaniothrips ricini* Bhatti, 1978.

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Figure 15.

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

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Figure 16.

Female of *Amomothrips associatus* Bhatti, 1978.

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Figure 17.

Female of *Dichromothrips nakahari* Mound, 1976 **(new record).**

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Figure 18.

Female of *Megalurothrips distalis* Karny, 1913.

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Figure 19.

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

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Figure 20.

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

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Figure 21.

Female of *Trichromothrip trifasciatus* Priesner, 1936.

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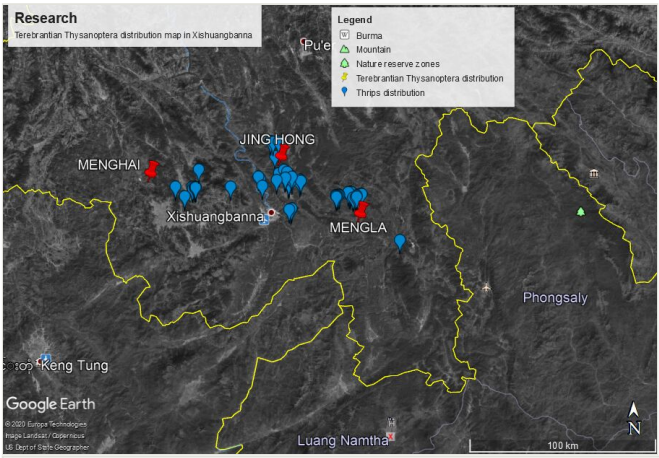

Figure 22.

Google map showing distribution of Terebrantian Thysanoptera in surveyed three counties of which Jinghong marked with highest distributional points.

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Supplementary material

Suppl. material 1: Suplementary data on Terebrantian Thysanoptera species from Xishuangbanna

Authors: Ntirenganya Elie, Li Yajin, Xie Yanlan, Zhou Yanli, Zhang Hongrui
Data type: Occurence
Brief description: A list of 115 species and their hosts is provided.
Download file (233.00 kb)