CHECKLIST OF TEREBRANTIA (THYSANOPTERA: INSECTA) OF DELHI

Vikas Kumar¹, Kaomud Tyagi² and J.S. Bhatti³¹ Division of Entomology and Nematology, Indian Institute of Horticultural Research, Hesarghatta, Salt Lake, Bangalore, Karnataka, India² Insect Systematics Laboratory, Project Directorate of Biological Control, Bangalore, Karnataka, India³ Department of Zoology, University of Delhi, Delhi, IndiaEmail: ¹ vikasniwal@yahoo.com

ABSTRACT

Eighty-six named species of the suborder Terebrantia (Thysanoptera), in 51 genera and three families are listed along with their synonymies found in Delhi with many species still waiting description. The family-wise breakup being Aeolothripidae with three species in two genera, Stenurothripidae with a single species and Thripidae with 82 species in 48 genera. Eight species are being reported as new to Delhi.

KEYWORDS

Checklist, Delhi, host plant, new record, Terebrantia, Thysanoptera

Ramakrishna Ayyar (1940) was, probably, the first to start taxonomy of these little insects in India. He along with V. Margabandhu recorded 232 species of Thysanoptera from India in their catalogue which was published in 1940. Professor T.N. Ananthakrishnan is the most important worker who actually gave speed to the taxonomy of Indian Thysanoptera. Ananthakrishnan and Sen (1980) provided keys to the 647 (260 in Terebrantia and 387 in Tubulifera) species from India. Bhatti (1990) in his catalogue of insects of Terebrantia from the Indian subcontinent recorded 290 species in 124 genera in five families.

The first record of Thysanoptera from Delhi was by Singh (1942) who reported *Aeolothrips fasciatus*, a Terebrantian, from Delhi. His specimens probably represent *Coleothrips collaris*, a species that was subsequently definitively identified from Delhi (Bhatti, 1964).

A list of the Thysanoptera of Delhi was first provided by Bhatti (1997), which include 90 species of Thysanoptera (70 species in 49 genera of Terebrantia and 20 species in 18 genera of Tubulifera).

Bhatti (1997) overlooked two species, which were reported from Delhi before 1997. These species are *Dichromothrips corbetti* (Priesner, 1936) reported by Mound (1976) on orchid imported from Thailand and *Thrips speratus* Strassen, 1978 reported by Bhatti (1990).

Bhatti *et al.* (1999) reported *Neohydatothrips gracilipes* (Hood, 1924) from Delhi and described a new species *Thrips chandni* from Delhi (Bhatti, 1999). *Neohydatothrips samayunkur* (Kudô, 1995) is recently reported as new to India from six states including Delhi by Bhatti *et al.* (2003). Kumar *et al.* (2005) reported three species of Terebrantia as new to India, all the three species were collected from Delhi.

The present study comprises 86 species of Terebrantia in 51 genera belonging to three families: Aeolothripidae, two genera (with 3 species), Stenurothripidae with a single species and Thripidae (48 genera with 82 species).

Eight species are newly recorded from Delhi. These are: *Bathrips melanicornis*, *Brevithrips tumiceps*, *Holarthothrips indicus*, *Sorghothrips fuscus*, *Thrips carthami*, *Thrips coloratus*, *Thrips florum*, and *Thrips garuda*.

Host plant relationship

The pattern of host utilization amongst the species of a particular group of phytophagous insects most probably reflects, in some way, the ecological and evolutionary strategies adopted by that lineage. Some groups have been, more or less, constrained during their evolutionary history and are associated only with particular group of plants, whereas other groups are coupled with a varied array of plants. Thus, it is imperative to know the host plant of a species in order to study its biology and to carry out any other biological experiments. Little is known about host plant relationship of Delhi Terebrantia, many species being known from too few specimens for any serious information to be available on their host plants and seasonality.

Most of the biologists describe a species as it has been found on such-and-such plant or plants without any indication of true host plant. This information is important from the point of where a species lives, but does not provide insight into its breeding preferences. Further, it has been noticed in most of the publications that such-and-such species is polyphagous without any information regarding the host plant in different seasons and different geographical areas.

Members of genus *Scolothrips* and *Coleothrips* are known as obligate predators and facultative predators, respectively. All the three species of *Scolothrips* from India are found in Delhi, but nothing is known about their host plants except that they are collected in very few numbers from members of family Poaceae. Whether these species of *Scolothrips* breed in grasses or they have been transported readily by winds is not clear. *Coleothrips* is represented by two species in Delhi (*Coleothrips collaris* & *C. mongolicus*) out of six in India. *Coleothrips mongolicus* (Pelikán, 1985) has been found breeding in the flowers of *Matthiola incana* (Cruciferae) as we have collected adults and immatures for two years but host plant of *Coleothrips collaris* is still not clear.

Frankliniella schultzei, which is one of the species that are vectors of Tospoviruses in India and worldwide, and has also been reported to be pollinator of chillies and pigeon pea, has been collected from 23 different plants in Delhi. Unfortunately, the actual host where it breeds it still not known from Delhi as well as from India.

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CHECKLIST

This checklist is the result of investigations on material collected in field studies over the past six years as well as study of material already available from collections made in Delhi during the past four decades. Specimens of all of these species have been studied, and many of the species have been freshly collected during the present investigation.

I. Family: Aeolothripidae Uzel, 1895

- I.a. Genus *Coleothrips* Haliday, 1836
1. *Coleothrips collaris* (Priesner, 1919)
2. *Coleothrips mongolicus* (Pelikán, 1985)

- I. b. Genus *Indothrips* Bhatti, 1967
1. *Indothrips bhushani* Bhatti, 1967

II. Family: Stenurothripidae Bagnall, 1923

- II. a. Genus *Holarthothrips* Bagnall, 1927
1. *Holarthothrips indicus* Bhatti & Anan, 1978

III. Family: Thripidae Stephens, 1829**III. A. Subfamily: Dendrothripinae Priesner, 1925**

- III.A.a. Genus *Dendrothrips* Uzel, 1895
1. *Dendrothrips cameroni* Priesner, 1965
2. *Dendrothrips punctatus* zur Strassen, 1968
III.A.b. Genus *Pseudodendrothrips* Schmutz, 1913
1. *Pseudodendrothrips albana* Bhatti, 1997
2. *Pseudodendrothrips suvarna* Bhatti, 1997

III.B. Subfamily: Panchaethripinae Bagnall, 1912

- III.B.a. Genus *Astrothrips* Karny, 1921
1. *Astrothrips stannardi* Bhatti, 1967
III.B.b. Genus *Brevithrips* Bhatti, 1967
1. *Brevithrips tumiceps* (Karny, 1923)
III.B.c. Genus *Caliothrips* Daniel, 1904
1. *Caliothrips graminicola* (Bag. & Cam., 1932)
2. *Caliothrips indicus* (Bagnall, 1913)
3. *Caliothrips luckmanni* Wilson, 1975

- III.B.d. Genus *Phibalothrips* Hood, 1918
1. *Phibalothrips peringueyi* (Faure, 1925)

- III.B.e. Genus *Rhipiphorothrips* Mor., 1913
1. *Rhipiphorothrips cruentatus* Hood, 1919

III.C. Subfamily: Sericothripinae Karny, 1921

- III.C.a. Genus *Hydatothrips* Karny, 1913
1. *Hydatothrips atactus* Bhatti, 1973
2. *Hydatothrips ramswamiahii* Priesner, 1926
III.C.b. Genus *Neohydatothrips* John, 1929
1. *Neohydatothrips gracilipes* (Hood, 1924)
2. *Neohydatothrips ranae* (Bhatti, 1967)
3. *Neohydatothrips samayunkur* (Kudô, 1995)
III.C.c. Genus *Pyrothrips* Bhatti, 1973
1. *Pyrothrips boerhaaviae* (Sesh. & Anan., 1954)

III.D. Subfamily: Thripinae Karny, 1921

- III.D.a. Genus *Agrostothrips* Hood, 1954
1. *Agrostothrips meridionalis* (Bagnall, 1927)
III.D.b. Genus *Ajothrips* Bhatti, 1967
1. *Ajothrips medius* Bhatti 1997
III.D.c. Genus *Alathrips* Bhatti, 1970
1. *Alathrips roonwali* (Bhatti, 1963)
III.D.d. Genus *Anaphothrips* Uzel, 1895
1. *Anaphothrips sudanensis* Trybom, 1911
III.D.e. Genus *Anascirtothrips* Bhatti, 1961

1. *Anascirtothrips arorai* Bhatti, 1967

- III.D.f. Genus *Ayyaria* Karny, 1927
1. *Ayyaria chaetophora* Karny, 1927

- III.D.g. Genus *Bathrips* Bhatti, 1962
1. *Bathrips melanicornis* (Shumsher, 1946)

- III.D.h. Genus *Bolacothrips* Uzel, 1895
1. *Bolacothrips striatopennatus* (Schmutz, 1913)

- III.D.i. Genus *Bregmatothrips* Hood, 1912
1. *Bolacothrips brachycephalus* (Shumsher, 1942)

- III.D.j. Genus *Ceratothripoides* Bagnall, 1918
1. *Ceratothripoides claratris* (Shumsher, 1946)

- III.D.k. Genus *Chirothrips* Haliday, 1836
1. *Chirothrips africanus* Priesner, 1932

- III.D.l. Genus *Craspedothrips* zur Strassen, 1966
1. *Craspedothrips minor* (Bagnall, 1921)

- III.D.m. Genus *Dendrothripoides* Bagnall, 1923
1. *Dendrothripoides innoxius* (Karny, 1914)

- III.D.n. Genus *Diarthrothrips* Williams, 1915
1. *Diarthrothrips nimbus* (Anan., 1965)

- III.D.o. Genus *Dichromothrips* Priesner, 1932
1. *Dichromothrips corbetti* (Priesner, 1936)
2. *Dichromothrips indicus* Mound, 1976

- III.D.p. Genus *Eremiothrips* Priesner, 1949
1. *Eremiothrips varius* (Bhatti, 1967)

- III.D.q. Genus *Exothrips* Priesner, 1939
1. *Exothrips cephalicus* Bhatti, 1975
2. *Exothrips deemax* Bhatti, 1975
3. *Exothrips hemavarna* (Ram. & Marg., 1931)
4. *Exothrips ormus* Bhatti, 1975
5. *Exothrips poorva* Bhatti, 1975
6. *Exothrips redox* Bhatti, 1975

- III.D.r. Genus *Florithrips* Bhatti, 1970
1. *Florithrips traegardhi* (Trybom, 1911)

- III.D.s. Genus *Foliothrips* Bhatti, 1972
1. *Foliothrips oratus* Bhatti, 1972

- III.D.t. Genus *Frankliniella* Karny, 1910
1. *Frankliniella schultzei* (Trybom, 1910)

- III.D. u. Genus *Kurtomathrips* Moulton, 1927
1. *Kurtomathrips morilli* Moulton, 1927

- III.D.v. Genus *Megalurothrips* Bagnall, 1915
1. *Megalurothrips peculiaris* (Bagnall, 1918)
2. *Megalurothrips usitatus* (Bagnall, 1913)

- III.D.w. Genus *Microcephalothrips* Bagnall, 1926
1. *Microcephalothrips abdominalis* (Crawford, 1910)

- III.D.x. Genus *Mycterothrips* Trybom, 1970
1. *Mycterothrips ricini* (Shumsher, 1946)

- III.D.y. Genus *Organothrips* Hood, 1940
1. *Organothrips indicus* Bhatti, 1974

- III.D.z. Genus *Parexothrips* Priesner, 1965
1. *Parexothrips tenellus* (Priesner, 1950)

- III.D.aa. Genus *Plutonothrips* Priesner, 1933
1. *Plutonothrips cus* (Bhatti, 1967)

- III.D.ab. Genus *Priesneriella* Ananthakrishnan, 1964
1. *Priesneriella oneillae* Ananthakrishnan, 1964

- III.D.ac. Genus *Psilothrips* Hood, 1927
1. *Psilothrips indicus* Bhatti, 1967

- III.D.ad. Genus *Rhamphothrips* Karny, 1913
1. *Rhamphothrips jasmineae* (Bhatti, 1977)
2. *Rhamphothrips parviceps* (Hood, 1919)

- III.D.ae. Genus *Salpingothrips* Hood, 1935
1. *Salpingothrips hoodi* Ananthakrishnan, 1969

- III.D.af. Genus *Scirtothrips* Shull, 1909
1. *Scirtothrips dorsalis* Hood, 1919

2. *Scirtothrips oligochaetus* (Karny, 1927)
3. *Scirtothrips mangiferae* Priesner, 1932

- III.D.ag. Genus *Scolothrips* Hinds, 1902
1. *Scolothrips asura* Ram. & Marg., 1931
2. *Scolothrips rhagebianus* Priesner, 1950
3. *Scolothrips tenuipennis* zur Strassen, 1965

- III.D.ah. Genus *Sorghothrips* Priesner, 1936
1. *Sorghothrips fuscus* Ananthakrishnan, 1965
2. *Sorghothrips jonnaphilus* (Ramakrishna, 1928)

- III.D.ai. Genus *Stenchaetothrips* Bagnall, 1926
1. *Stenchaetothrips biformis* (Bagnall, 1913)
2. *Stenchaetothrips faurei* (Bhatti, 1962)
3. *Stenchaetothrips indicus* (Ram. & Marg., 1931)

- III.D.aj. Genus *Tenothrips* Bhatti, 1967
1. *Tenothrips frici* (Uzel, 1895)

- III.D.ak. Genus *Thrips* Linnaeus, 1758
1. *Thrips apicatus* Priesner, 1934
2. *Thrips carthami* Shumsher, 1946
3. *Thrips chandni* Bhatti, 1999
4. *Thrips coloratus* Schmutz, 1913
5. *Thrips flavus* Schrank, 1776
6. *Thrips florum* Schmutz, 1913
7. *Thrips garuda* Bhatti, 1980
8. *Thrips hawaiiensis* (Morgan, 1913)
9. *Thrips orientalis* (Bagnall, 1915)
10. *Thrips palmi* Karny, 1925
11. *Thrips speratus* zur Strassen, 1978
12. *Thrips subnudula* (Karny, 1927)
13. *Thrips tabaci* Lindeman, 1889

- III.D.al. Genus *Tusothrips* Bhatti, 1967
1. *Tusothrips sumatrensis* (Karny, 1925)

Synonymy and Comments**I. Family: Aeolothripidae Uzel, 1895**

1895. Aeolothripidae Uzel, Monogr. Ord. Thysanopt., pp. 27, 42, 62.

In India there are 15 species in 9 genera (Bhatti, 1990: 207). *Aduncothrips* Ananthakrishnan, 1966 (1 species), *Allelothrips* Bagnall, 1932 (1 species), *Coleothrips* Haliday, 1836 (6 species), *Franklinothrips* Back, 1912 (1 species), *Gelothrips* Bhatti, 1967 (1 species), *Indothrips* Bhatti, 1967 (1 species), *Mymarothrips* Bagnall, 1928 (2 species), *Orothrips* Moulton, 1907 (1 species), *Streothrips* Bhatti, 1971 (1 species). 3 species in 2 genera are found in Delhi, *Coleothrips collaris* (Priesner, 1919), *Coleothrips mongolicus* (Pelikán, 1985), and *Indothrips bhushani* Bhatti, 1967.

- I. a. Genus *Coleothrips* Haliday
1836. *Aeolothrips* subgenus *Coleothrips* Haliday, Ent. Mag., 3 (5): 451.
1988. *Coleothrips* Bhatti, Zoology, 1(2): 115–116.

1. *Coleothrips collaris* (Priesner)
1919. *Aeolothrips fasciatus* var. *collaris* Priesner, Sitz.-ber. Akad. Wiss. Wien, (1), 128(2–3): 119–120.
1988. *Coleothrips collaris* Bhatti, Zoology, 1(2): 115.
2. *Coleothrips mongolicus* (Pelikán)
1985. *Aeolothrips mongolicus* Pelikán, Ann. Hist.-Nat. Mus. Natn. Hungarici, 77: 128–129.
1988. *Coleothrips mongolicus* Bhatti, Zoology, 1(2): 116.

- I. b. Genus *Indothrips* Bhatti
1967. *Indothrips* Bhatti, Thysanoptera Nova Indica, p. 2.

1. *Indothrips bhushani* Bhatti
1967. *Indothrips bhushani* Bhatti, Thysanoptera Nova Indica, p. 2–3.

II Family: Stenurothripidae Bagnall

1923. Stenurothripidae Bagnall, Ent. Mon. Mag., (3)

9: 37.

The family Stenurothripidae includes 2 species in 1 genus from India. (Bhatti 1990: 207): *Holarthrothrips indicus* Bhatti & Ananthakrishnan 1978, *H. jambudvipae* (Ramakrishna 1928). Only *Holarthrothrips indicus* is found in Delhi.

II.a. Genus *Holarthrothrips* Bagnall

1927. *Holarthrothrips* Bagnall, Ann. Mag. Nat. Hist., (9)20: 562–563.

1. *Holarthrothrips indicus* Bhatti & Anan.

1978. *Holarthrothrips indicus* Bhatti & Ananthakrishnan, Entomon, 3(2): 229–230.

III. Family: Thripidae Stephens 1829

1829. Thripidae Stephens, Syst. Cat. Brit. Ins., p. 363.

Family Thripidae includes 267 species in 111 genera from India (Bhatti 1990: 208). Eighty-two species in 48 genera are found in Delhi within 4 subfamilies (Bhatti 1990: 208): Dendrothripinae, Sericothripinae, Panchaethripinae, and Thripinae.

III.A. Subfamily: Dendrothripinae Priesner 1925

1925. Dendrothripini Priesner, Konowia, 4(3–4): 144. 1948. Dendrothripinae Morison, London Natur. Suppl., 59(2): 41, 50.

In India, 5 genera with 19 species are found (Bhatti 1990: 208). In Delhi, 2 genera with 4 species are found: *Dendrothrips* (2 species), *Pseudodendrothrips* (2 species).

III.A.a. Genus *Dendrothrips* Uzel

1895. *Dendrothrips* Uzel, Monogr. Ord. Thysanopt., p. 159.

1. *Dendrothrips cameroni* Priesner

1965. *Dendrothrips cameroni* Priesner, Publ. Inst. Desert Egypte (1960), 13: 282. Sudan.

2. *Dendrothrips punctatus* zur Strassen

1968. *Dendrothrips punctatus* zur Strassen, Senckenbergiana biol., 49(1): 28.

III.A.b. Genus *Pseudodendrothrips* Schmutz 1913

1913. *Pseudodendrothrips* Schmutz, Sitz.-ber. Akad. Wiss. Wein. math.-naturw. Kl., Abt. I, 122(7): 998–999.

1. *Pseudodendrothrips albana* Bhatti

1997. *Pseudodendrothrips albana* Bhatti, Zool. Surv. India State Fauna Series 6, Fauna of Delhi, pp. 296–297.

2. *Pseudodendrothrips suvarna* Bhatti 1997

1997. *Pseudodendrothrips suvarna* Bhatti, Zool. Surv. India State Fauna Series 6, Fauna of Delhi, pp. 297–299.

III.B. Subfamily: Panchaethripinae Bagnall 1912

1912. Panchaethripinae Bagnall, Rec. Indian Mus., 7(3): 258.

In India 18 genera with 31 species are found (Bhatti 1990: 208). In Delhi this subfamily comprises 5 genera with 7 species: *Astrothrips* (1 species), *Brevithrips* (1 species), *Caliothrips* (3 species), *Phibalothrips* (1 species), and *Rhipiphorothrips* (1 species).

III.B.a. Genus *Astrothrips* Karny

1921. *Astrothrips* Karny, Treubia, 1(4): 215, 239.

1. *Astrothrips stannardi* Bhatti

1967. *Astrothrips stannardi* Bhatti, Thysanoptera Nova Indica, pp. 7–8.

III.B.b. Genus *Brevithrips* Bhatti

1967. *Brevithrips* Bhatti, Thysanoptera Nova Indica, p. 8.

1. *Brevithrips tumiceps* (Karny)

1923. *Astrothrips tumiceps* Karny, Treubia, 3(3–4): 331–334.

1967. *Brevithrips tumiceps* Bhatti, Thysanoptera Nova Indica, p. 8.

III.B.c. Genus *Caliothrips* Daniel

1904. *Caliothrips* Daniel, Ent. News, 15(9): 296.

1. *Caliothrips graminicola* (Bag. & Cam.)

1932. *Hercothrips graminicola* Bagnall and Cameron, Ann. Mag. Nat. Hist., 10(10): 417–419.

1957. *Caliothrips graminicola* Faure, Jour. Entomol. Soc. S. Africa, 20(1): 79–88.

2. *Caliothrips indicus* (Bagnall)

1913. *Heliothrips indicus* Bagnall, Ann. Mag. Nat. Hist., (8)12: 291.

1956. *Caliothrips indicus* Ananthakrishnan, A survey of our present knowledge of Indian Thysanoptera, p. 3. Amar Press: Madras.

3. *Caliothrips luckmanni* Wilson

1957. *Caliothrips luckmanni* Wilson, Mem. Amer. Ent. Inst., 23: 72 (in key to species), 86–88.

III.B.d. Genus *Phibalothrips* Hood

1918. *Phibalothrips* Hood, Mem. Queensland Mus., 6: 125.

1. *Phibalothrips peringueyi* (Faure)

1925. *Reticulothrips peringueyi* Faure, S. Afr. J. Nat. Hist., 5: 145–150.

1937. *Phibalothrips peringueyi* Jacot-Guillarmodi, Publ. Univ. Pretoria, (II) 3: 10.

III.B.e. Genus *Rhipiphorothrips* Morgan

1913. *Rhipiphorothrips* Morgan, Proc. U. S. Nat. Mus., 46(2008): 17.

1. *Rhipiphorothrips cruentatus* Hood

1919. *Rhipiphorothrips cruentatus* Hood, Insec. Inscit. Menstr., 7(4–6): 94–96.

III.C. Subfamily: Sericothripinae Karny 1921

1921. Sericothripinae Karny, Treubia, 1(4): 236, 237. Eleven species in six genera are found in India (Bhatti 1990: 208): *Corcithrips* Bhatti 1973 (1 species), *Elbuthrips* (1 species), *Hydatothrips* Karny 1913 (6 species), *Kazinothrips* Bhatti 1973 (1 species), *Neohydatothrips* John 1929 (1 species), *Pyrothrips* Bhatti 1973 (1 species).

Six species in three genera are found in Delhi: *Hydatothrips* Karny 1913 (2 species), *Neohydatothrips* John 1929 (3 species), *Pyrothrips* Bhatti 1973 (1 species).

III.C.a. Genus *Hydatothrips* Karny

1913. *Hydatothrips* Karny, Wiss. Ergeb. Zentral-Africa-Exped., 1907–1908, Zoologie, 4(10): 281.

1. *Hydatothrips atactus* Bhatti

1973. *Hydatothrips atactus* Bhatti, Oriental Ins., 7(3): 418–432.

2. *Hydatothrips ramaswamiahii* Priesner

1926. *Sericothrips ramaswamiahii* Priesner, Treubia, 8: 51.

1973. *Hydatothrips ramaswamiahii* Bhatti, Oriental Ins. 427–432.

III.C.b. Genus *Neohydatothrips* John

1929. *Neohydatothrips* John, Bull. et Ann. Soc. Ent. Belgique, 69: 33–34.

1. *Neohydatothrips gracilipes* (Hood)

1924. *Sericothrips gracilipes* Hood, Canadian Ent., 56(6): 149–150.

1987. *Neohydatothrips gracilipes* Sakimura, Plant Disease, 71: 507.

2. *Neohydatothrips ranae* (Bhatti)

1967. *Sericothrips ranae* Bhatti, Thysanoptera Nova Indica, pp. 9–10.

1973. *Neohydatothrips ranae* Bhatti, Oriental Ins., 7(3): 435.

3. *Neohydatothrips samayunkur* (Kudô)

1995. *Hydatothrips* (*Neohydatothrips*) *samayunkur* Kudô, Appl. Ent. Zool., 30: 169–176.

1999. *Neohydatothrips samayunkur* Nakahara, Proc. Ent. Soc. Wash., 101(2): 458–459.

III.C.c. Genus *Pyrothrips* Bhatti

1973. *Hydatothrips* subgenus *Pyrothrips* Bhatti, Oriental Ins., 7(3): 424.

1990. *Pyrothrips* Bhatti, Zoology, 2(4): 247.

1. *Pyrothrips boerhaaviae* (Sesh. & Anan.)

1954. *Sericothrips* (*Hydatothrips*) *boerhaaviae* Seshadri & Ananthakrishnan, Indian J. Ent., 16(3): 210–212.

1990. *Pyrothrips boerhaaviae* Bhatti, Zoology, 2(4): 247.

III.D. Subfamily: Thripinae Karny 1921

1921. Thripinae Karny, Treubia, 1(4): 215, 236, 239.

This subfamily includes most of the genera of family Thripidae, and is most difficult to define. It can be recognized by the absence of characters, which distinguish the other subfamilies. In India, there are 206 species in 86 genera (Bhatti 1990: 208). In Delhi, 38 genera with 65 species are found.

III.D.a. Genus *Agrostothrips* Hood

1954. *Agrostothrips* Hood, Rev. Zool. Bot. Afr., 49(1–2): 1.

1. *Agrostothrips meridionalis* (Bagnall)

1927. *Chirothrips meridionalis* Bagnall, Ann. Mag. Nat. Hist., (9)19: 566.

1990. *Agrostothrips meridionalis* Bhatti, Zoology, 2(4): 194.

III.D.b. Genus *Ajothrips* Bhatti

1967. *Ajothrips* Bhatti, Bull. Ent., 8(1): 58.

1. *Ajothrips medius* Bhatti

1997. *Ajothrips medius* Bhatti, Zool. Surv. India State Fauna Series 6, Fauna of Delhi, pp. 301–302.

III.D.c. Genus *Alathrips* Bhatti

1969. *Alathrips* Bhatti, Oriental Ins., 3(4): 373.

1. *Alathrips roonwali* (Bhatti)

1963. *Hyalopterhrips roonwali* Bhatti, J. Zool. Soc. India (1962), 14(2): 177–178.

1969. *Alathrips roonwali* Bhatti, Oriental Ins., 3(4): 373.

III.D.d. Genus *Anaphothrips* Uzel

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