

Thysanoptera fauna of the Lakes Region, Turkey

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Abstract: The Thysanoptera fauna of the Lakes Region of Turkey was studied in 1990-1992. A total of 3173 specimens from 397 samples were examined. The study revealed 74 Thysanoptera species and 45 of them are new records for the region. Three genera, namely *Bregmatothrips* Hood, *Eremiothrips* Priesner, and *Iridothrips* Priesner; and 5 species, namely *Bregmatothrips dimorphus* (Priesner), *Eremiothrips dubius* (Priesner), *Eremiothrips taghizadehi* (zur Strassen), *Iridothrips iridis* (Watson), and *Mycterothrips annulicornis* (Uzel) are new records for the Turkish fauna. The previously unknown male (allotype) of *Rhipidothrips flavus* Tunç was discovered and described. The most common and abundant species, with the number of samples-specimens they were represented by, were *Thrips meridionalis* (Priesner) (92-437), *Thrips tabaci* Lindeman (137-412), and *Haplothrips reuteri* (Trybom) (130-489). Among the others, *Aeolothrips collaris* Priesner (48-130), *Aeolothrips intermedius* Bagnall (73-189), *Melanthrips pallidior* Priesner (39-124), *Chirothrips manicatus* Haliday (39-148), *Tenothrips frici* (Uzel) (36-160), and *Haplothrips tritici* Kurdjumov (46-168) were more frequent and abundant.

Key words: Thysanoptera, thrips, Lakes Region, Turkey

Göller Bölgesinin Thysanoptera Faunası

Özet: Göller Bölgesinin Thysanoptera faunası 1990-1992 yıllarında araştırılmıştır. Toplam 397 örnekte bulunan 3173 birey incelenmiştir. Çalışma ile 45'i bölgede ilk defa kaydedilen toplam 74 Thysanoptera türü belirlenmiştir. Üç cins *Bregmatothrips* Hood, *Eremiothrips* Priesner ve *Iridothrips* Priesner, ve beş tür, *Bregmatothrips dimorphus* (Priesner), *Eremiothrips dubius* (Priesner), *Eremiothrips taghizadehi* (zur Strassen), *Iridothrips iridis* (Watson) ve *Mycterothrips annulicornis* (Uzel) Türkiye için yeni kayıttır. Daha önce bilinmeyen *Rhipidothrips flavus* Tunç'un erkeği (allotip) bulunmuş ve tanımlanmıştır. En yaygın ve en yüksek sayıda bireyle temsil edilen türler, bulunduğu örnek sayısı-birey sayısı ile birlikte *Thrips meridionalis* (Priesner) (92-437), *Thrips tabaci* Lindeman (137-412) ve *Haplothrips reuteri* (Trybom) (130-489)'dir. Diğerleri arasında daha sık karşılaşılan ve daha yüksek birey sayısına sahip olanlar *Aeolothrips collaris* Priesner (48-130), *Aeolothrips intermedius* Bagnall (73-189), *Melanthrips pallidior* Priesner (39-124), *Chirothrips manicatus* Haliday (39-148), *Tenothrips frici* (Uzel) (36-160) ve *Haplothrips tritici* Kurdjumov (46-168)'dir.

Anahtar sözcükler: Thysanoptera, thrips, Göller Bölgesi, Türkiye

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Introduction

The Thysanoptera fauna of the Lakes Region of Turkey is little known except for some reports based on incidental collections. Priesner (1961, 1966) reported the material collected in Sultandağ, Akşehir, Eğirdir, and Isparta in 1960 and 1962-1964. As far as studies on Thysanoptera fauna of Turkey are concerned the Lakes Region lies between 2 relatively well studied areas, i.e. Ankara Province, which represents Central Anatolia (Tunç and zur Strassen, 1984), and Antalya Province, which represents the Mediterranean Region (Tunç, 1991a, 1991b, 1992a, 1992b, 1992c). The region is named after its scattered lakes of varying size (Figure). The climate is transitional between Mediterranean and continental climates and, when compared to neighbouring regions, receives more precipitation than the semi-arid Central Anatolia but less than the Mediterranean and Inner Western Anatolia regions (İzbirak, 1977; Güler et al., 1990). Topography is characterised mainly by mountainous areas and plateaus or high plains and altitudes are above 800 m. The scattered forests which consist mainly of pines and oaks occupy only a low percentage of the land but maquis is widespread. As to the agriculture of the region the main crop is cereals, particularly wheat; however, sugar beet and sunflower may also be important where irrigation is available. Fruits, in particular apples and cherry, are among the important crops in certain areas. Vegetables, mostly tomatoes, eggplant, and pepper, are grown along river basins and around lakes.

This is the first updated report on the provincial distribution in Turkey of the species involved.

Materials and methods

The main body of the material was collected in summer (mainly August) of 1990 and 1991, and spring (May) of 1992. Thrips were collected by beating plants or parts of plants over a board of 19 × 31 cm covered with light green cloth. Specimens were transferred to small glass vials containing preservation fluid made of 9 parts 60% ethyl alcohol and 1 part glacial acetic acid using a fine painting brush. The material was maintained in permanent preservation fluid, 60% ethyl alcohol, after preliminary examination and identification using a stereomicroscope.

Representative specimens were prepared for slide mounting in Canada balsam. Totally 3173 specimens were examined from 397 samples.

Thrip collection and identification was carried out by İrfan Tunç, Şerife Ünal Bahşi assisted in material handling and data processing, and the majority of wild plants were identified by Hüseyin Sümbül.

Altitudes of collection sites were measured by a hand altimeter.

Collection data are arranged according to the districts (Figure).

The distribution of the species in Turkey is given on a provincial basis. The distribution data are based on publications on the Thysanoptera fauna of Turkey (mainly Blunck, 1958; Priesner, 1961, 1966; Pelikan, 1969; Cengiz 1974; Tunç and zur Strassen, 1984; Tunç, 1985, 1991a, 1991b, 1992a, 1992b, 1992c; Atakan and Uygur, 2005; Özsemerci et al., 2011) and the material deposited at the Plant Protection Department, Faculty of Agriculture, Akdeniz University. The knowledge on the existence of some species in Turkey without specific location derives from the files of FIS (Forschungsinstitut Senckenberg), Frankfurt am Main, Germany (R. zur Strassen, personal communication), and zur Strassen (2003), and is indicated where appropriate.

Data on world distribution and hosts are provided only for those species that are new records in Turkey. Only a generalised distribution and hosts of the species found are presented in the discussion. Priesner (1964) and zur Strassen (2003) may be referred to for more information. However, more recent data, if present, are included.

The material is deposited at the Plant Protection Department, Faculty of Agriculture, Akdeniz University.

Results

AEOLOTHRIPIDAE

Aeolothrips collaris Priesner

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Solanum* sp., 1♀, 30.VII.1990- Akşehir, neighbourhood of Akşehir Lake, Sorkun, 940 m, *Onobrychis* sp., 1♀, 31.VII.1990-Eğirdir, 960 m,



Figure. Map of the Lakes Region with its lakes and districts. Black area in the inserted map shows the position of the region in Turkey.

Scabiosa sp., 1♀, 12.VIII.1991; neighbourhood of Eğirdir Lake, Yeşilköy, 920 m, *Mentha* sp., 1♂, 31.VII.1990; north, 940 m, Brassicaceae, 1♂, 12.V.1992-Burdur, neighbourhood of Burdur Lake, 900 m, *Cynanchum acutum*, 1♀; *Daucus* sp., 1♂, 01.VIII.1990-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Panicum* sp., 1♀, 02.VIII.1990; Sazak village, 950 m, *Eruca* sp., 1♂, 11.V.1992; neighbourhood of Salda Lake, 1220 m, *Chenopodium* sp., 1♀, 21.VIII.1991-Beyşehir, 1150 m, herb, 3♀♀, 10.VIII.1991; 1410 m, *Verbascum*, 3♀♀, 1♂, 11.VIII.1991; Bayavşar, 1160 m, *Helianthus annuus*, 1♀, 1♂, 11.VIII.1991; 1170 m, Brassicaceae, 1♂, *Maltkia aurea*, 1♀, 1♂, *Anchusa* sp., 1♂, 14.V.1992; neighbourhood of Beyşehir Lake, Kireli, 1140 m, *Cardaria draba*, 1♀, 1♂, *Lens culinaris*, 2♀♀, 1♂, 14.V.1992; Yeşildağ, 1150 m, *Ornithogalus* sp., 2♀♀, 3♂♂, *Poa* sp., 1♀, *Narcissus* sp., 3♀♀, 1♂, Brassicaceae, 3♀♀, 3♂♂; forest, 1180 m, cereal, 4♀♀; 1300 m, *Trigonella* sp., 2♀♀, 4♂♂, 15.V.1992-Seydişehir, 1110 m, *Chondrilla juncea*, 1♀, Chenopodiaceae, 1♂, 11.VIII.1991; Pınarbaşı,

1110 m, *Ranunculus* sp., 2♀♀, 1♂, 14.V.1992-Şarkikaraağaç, 1300 m, *Hypericum* sp., 1♂; 1220 m, *Onobrychis* sp., 4♀♀, 4♂♂; 1250 m, *Isatis* sp., 1♂, 11.VIII.1991; 1180m, *Ajuga* sp., 1♂, *Alyssum* sp., 1♀, 1♂, *Anchusa* sp., 2♂♂, *Lamium* sp., 1♀, 1♂, 14.V.1992-Keçiborlu, 1310 m, *Chenopodium* sp., 8♀♀, 1♂; 1130 m, Brassicaceae, 2♀♀, 12.VIII.1991-Tefenni, 1450 m, Fabaceae, 1♀, 2♂♂, *Linaria* sp., 2♀♀, 17.VIII.1991; 1140 m, *Capsella bursa-pastoris*, 2♀♀, 1♂, *Secale cereale*, 2♀♀, 1♂, 11.V.1992; Gent Deresi, 1200 m, Brassicaceae, 1♂, *Medicago sativa*, 8♀♀, 3♂♂, 11.V.1992-Senirkent, Garip village, 900 m, Brassicaceae, 4♀♀, 2♂♂, *Trigonella* sp., 1♀, 1♂, 12.V.1992-Gelendost, *Veronica* sp., 1♂, 13.V.1992-Yalvaç, Akşehir road, Kozluçay, 1640 m, *Lamium* sp., 1♂, 13.V.1992-Çay, 1010 m, *Myosotis* sp., 10♀♀, 13.V.1992-Akseki, Cevizli, 1440 m, *Muscari* sp., 1♂, 15.V.1992.

Distribution in Turkey: Adana, Antalya, Gaziantep, Hatay, Kahramanmaraş, Mersin, Aydın, İzmir, Manisa, Kütahya, Balıkesir, Bilecik, Bursa, Çanakkale, Düzce, İstanbul, Yalova, Aksaray, Ankara,

Çankırı, Eskişehir, Konya, Niğde, Nevşehir, Yozgat, Amasya, Mardin, Şanlıurfa, Erzurum, Erzincan.

Aeolothrips fasciatus (Linnaeus)

Material: Burdur, 1130 m, *Prunus domestica*, 1♀, 12.VIII.1991-Sultandağ, 970 m, Brassicaceae, 1♀, 13.V.1992.

Distribution in Turkey: Burdur, İzmir, Kütahya, Ankara, Samsun.

Aeolothrips gloriosus Bagnall

Material: Yeşilova, neighbourhood of Salda Lake, Doğanbaba village, *Quercus* sp., 1♀, 11.V.1992-Senirkent, Garip village, 900 m, *Quercus* sp., 1♀, *Quercus* sp., 3♀, *Crataegus* sp., 1♀, 12.V.1992-Eğirdir, neighbourhood of Eğirdir Lake, north, 940 m, *Phyllirea* sp., 1♀, 12.V.1992.

Distribution in Turkey: Antalya, Mersin, Manisa, İstanbul.

Aeolothrips intermedius Bagnall

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Cardaria* sp., 8♀♀, 6♂♂, *Acantholimon* sp., 1♀, 5♂♂, Chenopodiaceae, 1♀, *Inula aculus-christi*, 2♀♀, *Solanum* sp., 2♀♀, 2♂♂, *Lythrum salicaria*, 6♀♀, 6♂♂, 30.VII.1990; *Lepidium* sp., 1♀, 1♂, 13.V.1992-Akşehir, neighbourhood of Akşehir Lake, Sorkun, 940 m, *Cardopatum corymbosum*, 1♂, 31.VII.1990-Eğirdir, 920 m, *Scirpoides holoschoenus*, 1♀, 1♂, 31.VII.1990; 960 m, *Medicago sativa*, 4♀♀, 1♂, 12.VIII.1991; neighbourhood of Eğirdir Lake, Yeşilköy, 920 m, *Euphorbia* sp., 1♀, 2♂♂, *Mentha* sp., 2♀♀, 3♂♂, 31.VII.1990; north, 940 m, *Cardaria draba*, 2♀♀, 12.V.1992-Burdur, park of sugar factory, 950 m, *Cardaria* sp., 1♀, 12.V.1992; neighbourhood of Burdur Lake, 900 m, *Medicago sativa*, 1♀, *Daucus* sp., 4♀♀, 3♂♂, 01.VIII.1990-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Mentha* sp., 1♀, *Medicago sativa*, 1♀, 02.VIII.1990; Sazak village, 950 m, *Hordeum vulgare*, 2♀♀, *Eruca* sp., 1♀, *Berberis crataegina*, 1♀, *Cardaria draba*, 1♀, 11.V.1992; neighbourhood of Salda Lake, 1160 m, *Echinophora taurnefortii*, 2♀♀, 1♂, 02.VIII.1990; 1220 m, *Poa pratensis*, 6♀♀, 2♂♂, *Alyssum* sp., 4♀♀, *Medicago sativa*, 4♀♀, 1♂, 21.VIII.1991; *Hordeum vulgare*, 2♀♀, *Quercus* sp., 1♀, Doğanbaba village, *Tripleurospermium* sp., 1♂, *Amygdalus communis*, 1♀, 11.V.1992; forest, 1440 m, *Tagetes* sp., 1♀, *Euphorbia* sp., 11♀♀,

22.VIII.1991-Dazkırı, neighbourhood of Acıgöl Lake, 850 m, *Medicago sativa*, 4♀♀, 03.VIII.1990-Gelendost, 950 m, *Althaea*, 1♂; Bahtiyar, 1070 m, *Beta vulgaris*, 3♀♀, 1♂, *Consolida* sp., 1♀, 2♂♂, Apiaceae, 1♀, 11.VIII.1991-Keçiborlu, 1310 m, *Althaea* sp., 1♀, 12.VIII.1991; 960 m, *Avena* sp., 2♀♀, *Hordeum vulgare*, 2♀♀, 12.V.1992-Tekke, 930 m, *Nicotiana tabacum*, 1♀, 12.VIII.1991-Tefenni, 1150 m, *Chenopodium* sp., 6♀♀, 3♂♂, *Delphinium* sp., 3♀♀, 17.VIII.1991; *Descuriana sophia*, 1♀; Gent Deresi, *Triticum aestivum*, 1♀, 11.V.1992-Senirkent, Garip village, 900 m, *Ajuga* sp., 2♀♀, 12.V.1992-Yalvaç, Akşehir road, Kozluca, 1230 m, *Quercus* sp., 1♀, 13.V.1992; 1140 m, *Cerithe minor* subsp. *auriculata*, 2♀♀, 1♂, 14.V.1992-Çay, 1010 m, *Medicago sativa*, 1♀, 1♂, grass, 1♀, 1♂, cereal, 2♀♀, *Cerithe minor* subsp. *auriculata*, 3♀♀, 3♂♂, 13.V.1992-Şarkikaraağaç, 1180 m, Asteraceae, 1♀, *Koleria cristata*, 2♂♂, *Geranium* sp., 1♀; Fele, 1260 m, *Lathyrus* sp., 1♀, *Ranunculus* sp., 1♀, 14.V.1992-Beyşehir, 1150 m, *Helianthus annuus*, 1♀, 10.VIII.1991; Bayavşar, 1170 m, Brassicaceae, 1♂, 14.V.1992; neighbourhood of Beyşehir Lake, 1150 m, *Bellis* sp. 1♀, cereal, 1♀; Kireli, 1140 m, *Elocharis* sp., 1♀, *Hordeum vulgare*, 1♀; Gölbaşı village, 1020 m, *Phragmites* sp., 1♀, *Anchusa* sp., 7♀♀, 6♂♂, *Reseda* sp., 1♂, 14.V.1992; forest, 1300 m, Brassicaceae, 1♀; *Muscari* sp., 1♀, 15.V.1992-Seydişehir, Pınarbaşı, 1110 m, *Ranunculus* sp., 1♂, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Burdur, Gaziantep, Hatay, Kahramanmaraş, Afyonkarahisar, Aydın, İzmir, Kütahya, Manisa, Bilecik, Bursa, Düzce, İstanbul, Tekirdağ, Ankara, Konya, Amasya, Ordu, Samsun, Diyarbakır, Mardin, Şanlıurfa, Erzincan, Erzurum.

Aeolothrips linarius Priesner

Material: Çay, forest, 1270 m, *Malus communis*, 1♀, 13.V.1992.

Distribution in Turkey: Çukurova region (zur Strassen, 2003).

Aeolothrips melaleucus Haliday

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Solanum* sp., 1♀, 30.VII.1990-Seydişehir, Kuğulu, 1130 m, *Quercus* sp., 1♀, *Fraxinus* sp., 1♀, 14.V.1992-Senirkent, 1000 m, *Amygdalus communis*, 1♀, 12.V.1992-Beyşehir, neighbourhood of Beyşehir

Lake, forest, 1180 m, *Berberis crataegina*, 2♂; *Pyrus elaeagrifolia*, 1♂, 15.V.1992-Akseki, Cevizli, 1440 m, *Quercus* sp., 1♀, *Quercus* sp., 1♀, 15.V.1992.

Distribution in Turkey: Antalya, Mersin, İzmir.

Aeolothrips versicolor Uzel

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Cardaria* sp., 1♀; Chenopodiaceae, 6♀♀, 30.VII.1990-Seydişehir, Kuğulu, 1130 m, *Fraxinus* sp., 1♀, 14.V.1992.

Distribution in Turkey: Antalya.

Melanthrips fuscus (Sulzer)

Material: Yeşilova, neighbourhood of Yarışlı Lake, Sazak village, 950 m, *Eruca* sp., 1♀, 11.V.1992-Sultandağ, neighbourhood of Eber Lake, 960 m, *Lepidium* sp., 1♀, *Raphanus* sp., 1♀, 1♂, 13.V.1992-Çay, 1010 m, *Syringa vulgaris*, 1♀, 13.V.1992-Yalvaç, Kozluçay, 1140 m, Brassicaceae, 1♀, 1♂, 14.V.1992-Beyşehir Lake, Yeşildağ, 1150 m, *Ornithogalus* sp., 1♂, 15.V.1992.

Distribution in Turkey: Adana, Antalya, Isparta, Gaziantep, Kahramanmaraş, Mersin, İzmir, Manisa, İstanbul, Ankara, Konya.

Melanthrips knechteli Priesner

Material: Gelendost, *Cerinth minor* subsp. *auriculata*, 8♀♀, 13.V.1992-Çay, 1010 m, *Cerinth minor*, subsp. *auriculata*, 10♀♀, 5♂♂, 13.V.1992-Yalvaç, Kozluçay, 1140 m, *Cerinth minor* subsp. *auriculata*, 8♀♀, 3♂♂, 14.V.1992.

Distribution in Turkey: Recorded in Turkey but no specific location is mentioned (zur Strassen, 2003).

Melanthrips pallidior Priesner

Material: Burdur, neighbourhood of Burdur Lake, *Vicia* sp., 1♂, *Secale cereale*, 1♀, 12.V.1992-Keçiborlu, 960 m, *Asperugo procumbens*, 1♂, 12.V.1992-Senirkent, Garip village, 900 m, *Ajuga* sp., 1♀, 12.V.1992-Çay, 1010 m, *Myosotis* sp., 1♀, grass, 1♂, 13.V.1992-Yalvaç, Kozluçay, 1140 m, *Anthemis* sp., 3♂♂, Brassicaceae, 2♀♀, 2♂♂, *Ajuga* sp., 1♀, 14.V.1992-Şarkikaraağaç, 1180 m, Asteraceae, 1♀, 5♂♂, *Ajuga* sp., 1♀, 3♂♂, *Anchusa* sp., 1♀, *Adonis aestivalis*, 4♀♀, 8♂♂, grass, 1♀; *Lamium* sp., 5♀♀, 6♂♂, *Geranium* sp., 1♀, 1♂; Fele, 1260 m, *Arabis* sp., 1♀, 14.V.1992-Beyşehir, Bayavşar, 1170 m, *Pyrus*

elaeagrifolia, 1♀, *Maltkia aurea*, 1♂, *Anchusa* sp., 1♂; Beyşehir Lake, 1150 m, *Bellis* sp., 1♂, *Asperugo procumbens*, 1♀, *Bellis* sp., 1♀, 1♂, *Asperula* sp., 1♂, *Veronica* sp., 2♀♀; Kireli, 1140 m, *Cardaria draba*, 2♀♀, 3♂♂, *Lens culinaris*, 4♂♂; Gölbaşı village, 1020 m, *Anthemis* sp., 1♂, *Anchusa* sp., 1♀, 14.V.1992; Yeşildağ, 1150 m, *Narcissus* sp., 2♀♀, 7♂♂; Brassicaceae, 1♀, 1♂, forest, 1180 m, *Ruta* sp., 1♀; 1300 m, Brassicaceae, 1♀, *Geranium* sp., 3♀♀, 3♂♂, *Trigonella* sp., 1♀, 3♂♂, 15.V.1992-Seydişehir, Pınarbaşı, 1110 m, *Ranunculus* sp., 6♀♀, 4♂♂, *Geranium* sp., 5♀♀, 4♂♂, grass, 1♂; Kuğulu, 1130 m, *Iris* sp., 6♂♂, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Gaziantep, Kahramanmaraş, Mersin, İzmir, Manisa, Bursa, Düzce, İstanbul, Ankara, Konya, Niğde, Samsun.

Melanthrips rivnayi Priesner

Material: Akseki, Cevizli, 1440 m, *Quercus* sp., 4♀♀, *Quercus* sp., 2♀♀, 15.V.1992.

Distribution in Turkey: Known to occur in Turkey, but no specific location is given (zur Strassen, 2003).

Melanthrips trifasciatus Priesner

Material: Senirkent, Garip village, 900 m, *Quercus* sp., 1♀, 3♂♂, *Quercus* sp., 1♂, *Crataegus* sp., 2♀♀, 12.V.1992.

Distribution in Turkey: Antalya, Mersin, Afyonkarahisar (type locality).

Orothrips priesneri (Titschack)

Material: Tefenni, Gent Deresi, *Crataegus* sp., 2♀♀, 1♂, 11.V.1992-Yeşilova, neighbourhood of Salda Lake, *Quercus* sp., 1♂, 11.V.1992-Çay, forest, 1270 m, *Malus communis*, 1♀, 2♂♂, *Pyrus elaeagrifolia*, 8♀♀, 9♂♂, *Prunus avium*, 1♀, 13.V.1992-Seydişehir, Pınarbaşı, 1110 m, *Pyrus elaeagrifolia*, 1♂, *Cydonia vulgaris*, 1♀, 14.V.1992; Kuğulu, 1130 m, *Crataegus*, 1♀, 14.V.1992.

Distribution in Turkey: Antalya, Mersin, Afyonkarahisar.

Rhipidothrips brunneus Williams

Material: Seydişehir, Pınarbaşı, 1110 m, grass, 3♀♀, 14.V.1992-Beyşehir, forest, 1300 m, grass, 5♀♀, 15.V.1992.

Distribution in Turkey: Antalya.

Rhipidothrips flavus Tunç

Material: Tefenni, Gent Deresi, *Triticum aestivum*, 3♀♀, 2♂♂; grass, 1♀, 1♂, 11.V.1992-Yeşilova, neighbourhood of Salda Lake, *Hordeum vulgare*, 1♀, 11.V.1992-Şarkikaraağaç, 1180 m, *Hordeum vulgare*, 1♀, 2♂♂ (allotype), *Koleria cristata*, 1♀, 1♂, 14.V.1992-Beyşehir, Bayavşar, 1170 m, *Hordeum vulgare*, 1♀; neighbourhood of Beyşehir Lake, 1150 m, *Trigonella* sp., 1♀, 1♂, cereal, 1♂, 14.V.1992; forest, 1180 m, cereal, 2♀♀, 1♂, 1300 m, grass, 1♀, 15.V.1992; Kireli, 1140 m, *Hordeum vulgare*, 1♂; Gölbaşı village, 1020 m, *Phragmites* sp., 1♀, 14.V.1992.

Distribution in Turkey: Antalya (type locality).
World: recorded also in Iran (Alavi et al., 2007).

Hosts: Cereals, in particular *Triticum aestivum* and *Hordeum vulgare*.

Description of male (macroptera): Body and legs uniformly white or whitish yellow, legs very slightly darker. Antennal segments I and II white, III and IV very light-brown shaded, V-IX slightly darker than former. Four light brown spots in 2 rows at the posterior half of pronotum, close to hind margin. Pterothorax and abdomen white. Forewings and all body bristles pale.

All measurements are from allotype and in micrometers. Head transverse, length 148, width 170. Antennae 332, length (width) of segments, I 34(33), II 46(26), III 66(23), IV 58(22), V 45(23), VI 33(22), VII 30(20), VIII 11(12), IX 9(7). Position and number of sensory areas on segment III and IV as in female. Pronotum transverse, length 128, width 208; the same for pterothorax 292 and 244. Length and width of forewing 848 and 88, length of hind tibia 232. Chaetotaxy of head and pronotum, and striations at posterior of head as in female. Length of abdomen 816, and of body (total) 1320.

THRIPIDAE

Anaphothrips obscurus (Müller)

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Acantholimon* sp., 1♀, 30.VII.1990-Seydişehir, 1110 m, *Typha angustifolia*, 2♀♀, 10.VIII.1991-Senirkent, Garip village, 920 m, *Typha* sp., 4♀♀, 12.VIII.1991-Tefenni, Gent Deresi, grass,

3♀♀, 11.V.1992-Beyşehir Lake, Yeşildağ, 1150 m, *Poa compressa*, 19♀♀, *Alopecurus* sp., 1♀, 15.V.1992.

Distribution in Turkey: Antalya, Aydın, Manisa, Samsun, Ankara, Konya.

Aptinothrips rufus Haliday

Material: Eğirdir, 920 m, *Scirpoides holoschoenus*, 4♀♀, 31.VII.1990-Uluborlu, 1000 m, grass, 1♀, 12.VIII.1991-Yeşilova, forest, 1440 m, Fabaceae, 1♀, *Poa pratensis*, 1♀, 21.VIII.1991-Tefenni, 1140 m, *Secale cereale*, 7♀♀, *Bromus tectorum*, 1♀, 11.V.1992-Seydişehir, Pınarbaşı, 1110 m, grass, 3♀♀, 14.V.1992-Şarkikaraağaç, 1180 m, *Koleria cristata*, 2♀♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Mersin, İzmir, Kayseri, Ankara, Konya, Nevşehir, Sivas, Yozgat.

Bregmatothrips dimorphus (Priesner)

Material: Burdur, neighbourhood of Burdur Lake, 900 m, *Prunus persica*, 1♂; *Cynodon dactylon*, 16♀♀, 1♂, 01.VIII.1990.

Distribution in Turkey: First record for Turkey. Two more specimens, 1♀, 1♂, collected from Poaceae in Antalya on 02.IX.2005 were received from G. Vierbergen (The Netherlands). **World:** Distributed to Mediterranean countries, Yemen, Sudan, and South Africa. On grass (zur Strassen, 2003).

Chirothrips aculeatus Bagnall

Material: Yeşilova, Yarışlı Lake, 910 m, *Panicum* sp., 2♀♀, 02.VIII.1990.

Distribution in Turkey: Antalya, Gaziantep, Manisa, Diyarbakır, Şanlıurfa.

Chirothrips kurdistanus zur Strassen

Material: Dazkırı, Acıgöl Lake, 850 m, *Panicum* sp., 5♀♀, 2♂♂, 03.VIII.1990- Çeltikçi, Tekke, 930 m, *Echinochloa crus-galli*, 1♀; *Nicotiana tabacum*, 1♀, 12.VIII.1991.

Distribution in Turkey: Antalya, Malatya.

Chirothrips manicatus Haliday

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Epilobium* sp., 1♀, *Lythrum salicaria*, 1♀, 30.VII.1990; *Raphanus* sp., 2♀♀, 13.V.1992-Eğirdir, 920 m, *Scirpoides holoschoenus*, 1♀, 31.VII.1990; neighbourhood of Eğirdir Lake, Yeşilköy, 920

m, *Onobrychis* sp., 1♀, 31.VII.1990-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Panicum* sp., 7♀♀; 910 m, *Phragmites* sp., 19♀♀; neighbourhood of Salda Lake, 1160 m, *Artemisia* sp., 2♀♀, 02.VIII.1990; forest, 1440 m, *Cynodon dactylon*, 2♀♀, 4♂♂, *Poa pratensis*, 12♀♀, 21.VIII.1991; *Hordeum vulgare*, 3♀♀, 11.V.1992-Şarkikaraağaç, 1220 m, *Onobrychis* sp., 1♀, 11.VIII.1991; 1180 m, *Hordeum vulgare*, 2♀♀, grass, 2♀♀, *Alopecurus pratensis*, 6♀♀; Fele, 1260 m, Poaceae, 1♀, 14.V.1992-Senirkent, Garip village, 920 m, *Scirpoides* sp., 1♀, *Salix* sp., 1♀, *Typha* sp. 2♀♀, 12.VIII.1991; 900 m, *Ajuga* sp., 2♀♀, 12.V.1992-Uluborlu, 1310 m, *Cynodon dactylon*, 6♀♀, 1♂, 12.VIII.1991-Tefenni, 1150 m, *Phragmites* sp., 6♀♀, 17.VII.1991, 1140 m, *Secale cereale*, 1♀, *Bromus tectorum*, 1♀, 11.V.1992- Burdur, Burdur Lake, *Vicia* sp., 1♀, 12.V.1992-Keçiborlu, 960 m, *Avena* sp., 1♀, 12.V.1992-Yalvaç, Kozlucağ, 1140 m, Brassicaceae, 1♀, *Alopecurus pratensis*, 23♀♀, 14.V.1992-Beyşehir, 1160 m, Lamiaceae, 1♂, *Inula* sp., 1♀, *Crateagus* sp., 1♀, 10.VIII.1991; 1410 m, *Phragmites* sp., 2♀♀, 11.VIII.1991; neighbourhood of Beyşehir Lake, Kireli, 1140 m, *Elocharis* sp., 7♀♀, *Hordeum vulgare*, 1♀, *Alopecurus pratensis*, 6♀♀; Gölbaşı village, 1020 m, *Phragmites* sp., 2♀♀, 14.V.1992; 1150 m, *Poa* sp., 1♀, *Alopecurus*, 1♀, *Poa compressa*, 10♀♀; forest, 1300 m, grass, 2♀♀, 15.V.1992.

Distribution in Turkey: Adana, Antalya, Hatay, Osmaniye, Afyonkarahisar, İzmir, Manisa, Ankara, Eskişehir, Çorum, Samsun.

Collembolothrips mediterraneus Priesner

Material: Çay, 1010 m, grass, 6♀♀, 13.V.1992-Yalvaç, Kozlucağ, 1140 m, cereal, 15♀♀, 14.V.1992.

Distribution in Turkey: Antalya, Manisa, Ankara, Samsun.

Dendrothrips phyllireae Bagnall

Material: Çeltikçi, Tekke, 930 m, *Malus communis*, 1♂, 12.VIII.1991.

Distribution in Turkey: Adana, Antalya, Manisa.

Dendrothrips saltatrix Uzel

Material: Beyşehir, 1460 m, *Berberis crataegina*, 1♂, 10.VIII.1991-Senirkent, Garip village, 920 m, *Scirpoides* sp., 1♀, 12.VIII.1991-Burdur, 1130 m, Apiaceae, 2♀♀, 1♂, 12.VIII.1991.

Distribution in Turkey: Antalya, İzmir, Samsun.

Drepanothrips reuteri Uzel

Material: Yeşilova, neighbourhood of Salda Lake, 1160 m, *Quercus* sp., 3♀♀, 02.VIII.1990; 1220 m, *Quercus* sp., 1♀, 21.VIII.1991-Eğirdir, 960 m, *Phyllirea* sp., 1♀, *Quercus* sp., 4♀♀, *Lamium* sp., 1♀, 12.VIII.1991-Uluborlu, 1310 m, *Cynodon dactylon*, 1♀, 1♂, *Phyllirea* sp., 1♀, 12.VIII.1991.

Distribution in Turkey: Antalya, İzmir, Manisa.

Eremiothrips dubius (Priesner)

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, Chenopodiaceae, 15♀♀, 30.VII.1990.

Distribution in Turkey: First record for Turkey.

World: Known from Spain, Morocco, and Canary Islands. Hosts *Launaea arborescens* (Asteraceae) and *Calotropis procena* (Asclepiadaceae) (zur Strassen, 2003).

Eremiothrips taghizadehi (zur Strassen)

Material: Burdur, neighbourhood of Burdur Lake, 900 m, *Chenopodium* sp., 6♀, *Centaurea calcitrapa*, 3♀, 01.VIII.1990-Keçiborlu, 1310 m, *Chenopodium* sp., 1♀, 12.VIII.1991.

Distribution in Turkey: First record for Turkey.

It was found also in Antalya (Elmalı, Çobanisa, *Amygdalus communis*, 1♀, 03.VIII.1989). **World:** Known to occur in Iran and Spain. On low growing flowering plants (zur Strassen, 2003).

Frankliniella intonsa (Trybom)

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Acantholimon* sp., 2♀♀, 30.VII.1990-Eğirdir, 920 m, *Scirpoides holoschoenus*, 1♀, 31.VII.1990-Burdur, neighbourhood of Burdur Lake, 900 m, *Cynanchum acutum*, 1♀, *Daucus* sp., 1♂, 01.VIII.1990-Sandıklı, Çiğiltepe, *Onobrychis* sp., 4♀♀, 7♂♂, *Centaurea solstitialis*, 1♀, 22.IX.1990-Beyşehir, 1410 m, *Sambucus ebulus*, 1♀, 10.VIII.1991; *Echinops* sp., 1♀, 11.VIII.1991-Seydişehir, 1110 m, *Lotus* sp., 2♀♀, 11.VIII.1991-Yalvaç, Kozlucağ, 1140 m, Brassicaceae, 1♀, 14.V.1992-Şarkikaraağaç, 1220 m, *Onobrychis* sp., 8♀♀, *Daucus* sp., 8♀♀, 11.VIII.1991-Sultandağ, 970 m, *Crataegus* sp., 3♀♀; *Anthemis* sp., 5♀♀, 13.V.1992.

Distribution in Turkey: Adana, Antalya, Hatay, Kahramanmaraş, Mersin, Aydın, Manisa, Muğla,

Bursa, İstanbul, Yalova, Ankara, Düzce, Ordu, Samsun, Şanlıurfa.

Frankliniella occidentalis (Pergande)

Material: Burdur, park of sugar factory, 950 m, *Cerastium banaticum*, 1♀, *Cardaria* sp., 1♀, 1♂, 12.V.1992.

Distribution in Turkey: Adana, Antalya, Hatay, Mersin, Aydın, İzmir, Manisa, Muğla, Bursa, Adıyaman, Şanlıurfa, Erzincan.

Remarks: *F. occidentalis* is an introduced pest of greenhouse grown vegetables and cut-flowers, and nectarines in coastal areas of Turkey. Its first record from Turkey is based on the specimens collected on greenhouse crops in Antalya in December 1993 (Tunç and Göçmen, 1994). Herewith its presence in Turkey at a date earlier than it was originally reported is documented.

Frankliniella pallida (Uzel)

Material: Şarkikaraağaç, 1220 m, *Onobrychis* sp., 1♀, 11.VIII.1991-Gelendost, 950 m, *Althaea* sp., 1♀, 11.VIII.1991.

Distribution in Turkey: Ankara.

Frankliniella tenuicornis (Uzel)

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, Chenopodiaceae, 1♀, 30.VII.1990-Gelendost, Bahtiyar, 1070 m, *Zea mays*, 1♀, 11.VIII.1991-Keçiborlu, 960 m, *Hordeum vulgare*, 1♀, 12.V.1992.

Distribution in Turkey: Adana, Antalya, Manisa, Hatay, Gaziantep, Kahramanmaraş, Mersin, Balıkesir, Ankara, Eskişehir, Konya, Amasya, Çorum, Samsun.

Iridothrips iridis (Watson)

Material: Senirkent, Garip village, 920 m, *Typha* sp., 4♀♀, 2♂♂, 12.VII.1991.

Distribution in Turkey: First record for Turkey. **World:** Widely distributed in Europe. On *Iris pseudacorus*, also on *Tritonia* sp. (zur Strassen, 2003).

Remarks: Females unusually apterous, metanotum and metascutellum are fused at the middle as in brachypterous form. Male, as usual, apterous.

Kakothrips robustus (Uzel)

Material: Burdur, neighbourhood of Burdur Lake, *Vicia* sp., 2♀♀, 1♂, 12.V.1992.

Distribution in Turkey: Antalya, İzmir, Bilecik, Ankara, Konya, Erzincan, Erzurum.

Limothrips angulicornis Jablonowski

Material: Tefenni, 1140 m, *Secale cereale*, 7♀♀, *Bromus tectorum*, 3♀♀, 11.V.1992.

Distribution in Turkey: Antalya, Manisa, Ankara.

Limothrips cerealium Haliday

Material: Seydişehir, Pınarbaşı, 1110 m, *Geranium* sp., 1♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, İstanbul, Ankara, Samsun.

Limothrips denticornis Haliday

Material: Keçiborlu, 960 m, *Hordeum vulgare*, 1♀, 12.V.1992.

Distribution in Turkey: Antalya, Manisa, İstanbul, Ankara, Çankırı, Konya, Yozgat, Adapazarı, Amasya, Samsun.

Limothrips transcaucasicus Sawenko

Material: Çay, 1010 m, cereal, 1♀, 13.V.1992-Şarkikaraağaç, 1180 m, *Hordeum vulgare*, 1♀, 14.V.1992-Seydişehir, Pınarbaşı, 1110 m, grass, 4♀♀, 14.V.1992.

Distribution in Turkey: Antalya, Ankara, Amasya, Samsun.

Mycterothrips albidicornis (Knechtel)

Material: Yeşilova, neighbourhood of Yarıklı Lake, 910 m, *Medicago sativa*, 1♀; Salda Lake, 1160 m, *Quercus* sp., 1♀; *Amygdalus communis*, 6♀♀, 1♂, 02.VIII.1990; 1180 m, *Pistacia* sp., 1♂, *Quercus* sp., 3♀♀, 1♂, *Ribes* sp., 1♀, 1♂, *Vitis vinifera*, 1♀, 19.VIII.1991; 1220 m, *Malus communis*, 1♂, *Quercus* sp., 2♀♀, 21.VIII.1991; forest, 1440 m, *Cucumis melo*, 1♀, 1♂, 21.VIII.1991; 1750 m, *Thuja* sp., 4♀♀, 3♂♂, 22.VIII.1991-Beyşehir, 1460 m, *Berberis crataegina*, 4♀♀, 1150 m, *Vitis vinifera*, 1♂; Bayavşar, 1160 m, *Malus domestica*, 2♀♀, 10.VIII.1991-Eğirdir, neighbourhood of Eğirdir Lake, Barla, Bağören, 940 m, *Amygdalus communis*, 2♀♀, *Amygdalus communis*, 1♀, 12.VIII.1991-Uluborlu, 1000 m, *Amygdalus communis*, 1♀, *Amygdalus communis*, 4♀♀, 12.VIII.1991-Çeltikçi, Tekke, 930 m, *Malus communis*, 1♀, *Prunus domestica*, 2♀♀, 12.VIII.1991-Gelendost, Bahtiyar, 1070 m,

Zea mays, 1♀, 11.VIII.1991-Burdur, park of sugar factory, 950 m, *Viburnum opulus*, 1♀, 11.V.1992; neighbourhood of Burdur Lake, 900 m, *Prunus persica*, 2♀♀, 01.VIII.1990; *Malus communis*, 3♀♀, 12.V.1992-Senirkent, 1000 m, *Mespilus germanica*, 1♀, 12.V.1992.

Distribution in Turkey: Adana, Antalya, Kahramanmaraş, Aydın, Manisa, Ankara.

Mycterothrips annulicornis (Uzel)

Material: Şarkikaraağaç, 1220 m, *Daucus* sp, 2♀♀, 11.VIII.1991.

Distribution in Turkey: First record for Turkey.
World: Europe without north. Hosts, *Daucus*, *Sedum*, *Trinia glauca*, *Xeranthemum* (zur Strassen, 2003).

Mycterothrips tschirkunae (Jachontov)

Material: Burdur, neighbourhood of Burdur Lake, 900 m, *Medicago sativa*, 4♀♀, 01.VIII.1990; *Malus communis*, 2♀♀, 12.V.1992-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Peganum harmala*, 5♀♀, 02.VIII.1990; neighbourhood of Salda Lake, 1180 m, *Ribes* sp., 1♀, 19.VIII.1991; 1220 m, *Ononis spinosa*, 13♀♀, 7♂♂; *Medicago sativa*, 2♀♀, 21.VIII.1991-Eğirdir, neighbourhood of Eğirdir Lake, Barla, Bağören, 940 m, *Amygdalus communis*, 2♀♀, *Chartamus* sp., 1♀, 12.VIII.1991.

Distribution in Turkey: Antalya, Manisa, Ankara.

Neohydatothrips gracilicornis (Williams)

Material: Yeşilova, neighbourhood of Salda Lake, 1160 m, *Quercus* sp., 2♀♀; *Quercus* sp, 1♂, 02.VIII.1990; forest, 1750 m, *Thuja* sp., 1♀, 1♂, *Juniperus* sp., 2♀♀, 2♂♂, 22.VIII.1991-Sandıklı, Çiğiltepe, *Onobrychis* sp., 1♀, 22.09.1990-Eğirdir, neighbourhood of Eğirdir Lake, Barla, Bağören, 940 m, *Amygdalus communis*, 1♂, 12.VIII.1991-Uluborlu, 1310 m, *Phyllirea* sp., 2♀♀, 1♂, 12.VIII.1991-Tefenni, Gent Deresi, *Medicago sativa*, 2♀♀, 11.V.1992-Burdur, neighbourhood of Burdur Lake, *Vicia* sp., 2♀♀, 12.V.1992-Beyşehir, neighbourhood of Beyşehir Lake, Kireli, 1140 m, *Lens culinaris*, 1♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Mersin, Afyonkarahisar, İzmir, Manisa, Bursa, Yalova, Ankara, Konya, Yozgat, Amasya, Samsun, Diyarbakır, Mardin, Şanlıurfa, Erzincan.

Odontothrips confusus Priesner

Material: Burdur, neighbourhood of Burdur Lake, 900 m, *Medicago sativa*, 11♀♀, 1♂, 01.VIII.1990-Yeşilova, neighbourhood of Yarışlı Lake 910 m, *Medicago sativa*, 2♀♀, 2♂, 02.VIII.1990; neighbourhood of Salda Lake, 1220 m, *Medicago sativa*, 2♀♀, 21.VIII.1991-Dazkırı, neighbourhood of Acıgöl Lake, 850 m, *Medicago sativa*, 4♀♀, 2♂♂, 03.VIII.1990-Beyşehir, 1160 m, Lamiaceae 2♀♀, 10.VIII.1991; 1410 m, *Medicago sativa*, 3♀♀, 11.VIII.1991-Şarkikaraağaç, 1220 m, *Medicago sativa*, 5♂♂, 11.VIII.1991-Eğirdir, 960 m, *Medicago sativa*, 2♀♀, 12.VIII.1991.

Distribution in Turkey: Antalya, Aksaray, Ankara, Konya.

Oxythrips ajugae Uzel

Material: Yeşilova, neighbourhood of Salda Lake, *Pinus* sp., 11♀♀, 11.V.1992-Uluborlu, 1500 m, *Pinus* sp., 1♀, 12.V.1992-Çay, park, 1010 m, *Pinus* sp., 1♀; forest, 1270 m, *Prunus avium*, 1♀, 13.V.1992-Akseki, Cevizli, 1440 m, *Pinus* sp., 8♀♀, 4♂♂, *Quercus* sp., 1♀, 15.V.1992.

Distribution in Turkey: Antalya, Kahramanmaraş, Mersin, Afyonkarahisar, İzmir, Manisa, Muğla, Bursa, Ankara.

Scolothrips longicornis Priesner

Material: Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Phragmites* sp., 1♀, 02.VIII.1990-Beyşehir, 1440 m, *Malus communis*, 3♀♀; Bayavşar, 1160 m, *Malus communis*, 2♀♀, 10.VIII.1991-Eğirdir, 960 m, Asteraceae, 1♀, 12.VIII.1991.

Distribution in Turkey: Adana, Antalya, Kahramanmaraş, Mersin, Aydın, İzmir, Manisa, Konya, Diyarbakır, Erzincan.

Sericothrips bicornis (Karny)

Material: Seydişehir, 1110 m, *Lotus* sp., 3♀♀, 11.VIII.1991.

Distribution in Turkey: Known from Turkey but no specific location is provided (FIS files).

Taeniothrips inconsequens (Uzel)

Material: Akşehir, forest, 1150 m, *Fraxinus* sp., 8♀♀, 13.V.1992-Yalvaç, Akşehir road, Kozluca, 1230 m, unknown tree, 1♀, 13.V.1992-Çay, 1010 m, *Amygdalus communis*, 2♀♀, *Cardaria* sp., 2♀♀,

13.V.1992-Seydişehir, Kuğulu, 1130 m, *Crataegus* sp., 1♀, 14.V.1992.

Distribution in Turkey: Antalya, Afyonkarahisar, İzmir, Ankara.

Tenothrips anatolicus (Priesner)

Material: Beyşehir, 1460 m, *Adenocarpus complicatus*, 2♀♀, 5♂♂, 10.VIII.1991-Uluborlu, 1010 m, *Arabis* sp., 4♀♀, 12.V.1992-Çay, forest, 1270 m, *Veronica* sp., 3♀♀, 13.V.1992.

Distribution in Turkey: Antalya, Afyonkarahisar (type locality), Manisa, Ankara, Konya, Diyarbakır.

Tenothrips discolor (Karny)

Material: Şarkikaraağaç, 1300 m, *Hypericum* sp., 3♀♀, 2♂♂; 1220 m, *Onobrychis* sp., 1♀, 11.VIII.1991-Uluborlu, 1000 m, *Centaurea calcitrapa*, 1♀, 12.VIII.1991.

Distribution in Turkey: Adana, Antalya, Kahramanmaraş, Manisa, Aydın, İzmir, İstanbul, Bursa, Ankara, Çorum, Eskişehir, Samsun.

Tenothrips frici (Uzel)

Material: Sandıklı, Çiğiltepe, herb, 2♀♀, *Centaurea solstitialis*, 5♀♀, 5♂♂, 22.IX.1990-Sultandağ, neighbourhood of Eber Lake, 960 m, *Acantholimon* sp., 1♀, 30.VII.1990-Eğirdir, 960 m, *Malus communis*, 1♀, *Verbascum* sp., 1♂, 12.VIII.1991; neighbourhood of Eğirdir Lake, Yeşilköy, 920 m, *Mentha* sp., 1♂, 31.VII.1990-Burdur, park of sugar factory, 950 m, *Taraxacum* sp., 1♀, 12.V.1992; neighbourhood of Burdur Lake, 900 m, *Cynanchum acutum*, 2♂♂, *Echinops ritro*, 1♀, *Daucus* sp., 1♀, 01.VIII.1990; *Senecio* sp., 1♀, 12.V.1992-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Daucus* sp., 1♀, *Echinophora taurnefortii*, 1♀; neighbourhood of Salda Lake, *Prunus amygdalus*, 1♀, 02.VIII.1990; 1220 m, *Cichorium* sp., 5♀♀, 7♂♂, *Rubus fruticosus*, 2♀♀, *Centaurea solstitialis*, 1♀, 1♂, *Hypericum* sp., 1♀, 21.VIII.1991; *Pyrus elaeagrifolia*, 1♀, 11.V.1992; forest, 1440 m, *Chartamus* sp., 1♀, 1♂, *Tagetes* sp., 2♀♀, 2♂♂, 21.VIII.1991; 1750 m, *Taraxacum* sp., 20♀♀, 10♂♂, 22.VIII.1991-Beyşehir, 1410 m, *Verbascum* sp., 1♀, 10.VIII.1991; 1410 m, *Verbascum* sp., 1♂, *Echinops* sp., 2♂♂; Bayavşar, 1160 m, *Melilotus* sp., 1♀, 2♂♂, *Anchusa* sp., 1♀, 11.VIII.1991; neighbourhood of Beyşehir Lake, forest, 1180 m, *Gagea* sp., 1♀, 15.V.1992-Şarkikaraağaç,

1250 m, *Centaurea solstitialis*, 1♂; 1300 m, *Carthamus* sp., 2♂, 11.VIII.1991-Gelendost, Bahtiyar, 1070 m, *Consolida* sp., 2♂♂, 11.VIII.1991-Seydişehir, 1110 m, *Chondrilla juncea*, 12♀♀, 5♂♂; Chenopodiaceae, 5♀♀, 11.VIII.1991-Senirkent, Garip village, 920 m, *Salix* sp., 1♀, 12.VIII.1991-Keçiborlu, 1310 m, *Chenopodium* sp., 1♂, 12.VIII.1991-Tefenni, 1450 m, *Cichorium* sp., 6♀♀, 4♂♂, *Charthamus* sp., 1♀, *Glaucium flavum*, 3♀♀, 31♂, *Cichorium* sp., 1♀, 6♂♂, 17.VIII.1991-Yalvaç, Akşehir road, Kozlucaçay, 1640 m, *Salix* sp., 1♀, 13.V.1992.

Distribution in Turkey: Adana, Antalya, Isparta, Kahramanmaraş, Mersin, İzmir, Manisa, Balıkesir, Bilecik, Bursa, İstanbul, Ankara, Eskişehir, Niğde, Yozgat, Düzce, Samsun.

Thrips angusticeps Uzel

Material: Burdur, Burdur Lake, *Senecio* sp., 1♀, *Amygdalus communis*, 1♀, 12.V.1992-Keçiborlu, 960 m, *Avena* sp., 5♂♂, 12.V.1992-Seydişehir, Pınarbaşı, 1110 m, grass, 1♀; Kuğulu, 1130 m, *Pyrus elaeagrifolia*, 1♀, 14.V.1992-Beyşehir, neighbourhood of Beyşehir Lake, Kireli, 1140 m, *Cardaria draba*, 1♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Gaziantep, Hatay, Kahramanmaraş, Mersin, İzmir, Manisa, İstanbul, Ankara, Eskişehir, Konya, Amasya, Samsun, Şanlıurfa.

Thrips atratus Haliday

Material: Sultandağ, neighbourhood of Eber Lake, *Lythrum salicaria*, 1♀, 30.VII.1990-Yeşilova, neighbourhood of Salda Lake, 1220 m, *Silene* sp., 1♀, 21.VIII.1991-Yalvaç, Akşehir road, Kozlucaçay, 1230 m, *Quercus* sp., 1♀, 13.V.1992-Beyşehir, forest, 1300 m, *Amygdalus communis*, 1♀, 15.V.1992-Gelendost, 950 m, *Althaea* sp., 2♀♀, 11.VIII.1991.

Distribution in Turkey: Hatay, Afyonkarahisar, İzmir, Balıkesir, Bursa, İstanbul, Yalova, Ankara, Eskişehir, Konya, Niğde, Düzce, Samsun.

Thrips dubius Priesner

Material: Eğirdir, neighbourhood of Eğirdir Lake, Yeşilköy, 920 m, *Euphorbia* sp., 6♀♀, 1♂, 31.VII.1990.

Distribution in Turkey: Adana, Antalya, Mersin.

Thrips fedorovi (Priesner)

Material: Uluborlu, 1000 m, *Amygdalus communis*, 1♀, 12.VIII.1991.

Distribution in Turkey: Ankara.

Thrips italicus (Bagnall)

Material: Yeşilova, neighbourhood of Salda Lake, *Hordeum vulgare*, 1♂; Doğanbaba village, *Tripleurospermium* sp., 1♂, *Euphorbia* sp., 3♀♀, 3♂♂, 11.V.1992.

Distribution in Turkey: Adana, Antalya, Mersin, İzmir.

Thrips major Uzel

Material: Beyşehir, 1410 m, *Sambucus ebulus*, 2♀♀, 1♂, 10.VIII.1991.

Distribution in Turkey: Adana, Antalya, Hatay, Mersin, İzmir, Manisa, Balıkesir, Bilecik, Bursa, İstanbul, Yalova, Ankara, Düzce, Samsun.

Thrips meridionalis (Priesner)

Material: Sandıklı, Çiğiltepe, herb, 2♀♀, 22.IX.1990-Tefenni, 1140 m, *Secale cereale*, 1♀, *Capsella bursa-pastoris*, 10♀♀, *Descuriana sophia*, 10♀♀, 4♂♂; Gent Deresi, 1200 m, Brassicaceae, 3♀♀, *Crataegus* sp., 11♀♀, *Cydonia vulgaris*, 2♀♀, *Malus communis*, 8♀♀, *Medicago sativa*, 1♀, *Prunus avium*, 2♀♀, grass, 1♀, 11.V.1992-Yeşilova, neighbourhood of Salda Lake, *Hordeum vulgare*, 1♂, *Pyrus elaeagrifolia*, 7♀♀, *Quercus* sp., 2♀♀; Doğanbaba village, *Euphorbia* sp., 1♀, *Amygdalus communis*, 2♀♀; neighbourhood of Yarışlı Lake, Sazak village, 950 m, *Eruca* sp., 5♀♀, *Cydonia vulgaris*, 14♀♀, 16♂♂, *Berberis crataegina*, 3♀♀, 5♂♂, *Cardaria draba*, 12♀♀, 18♂♂, 11.V.1992-Burdur, park of sugar factory, 950 m, *Viburnum opulus*, 4♀♀, 2♂♂, 11.V.1992; *Thuja* sp., 1♀, 1♂, *Jasminum* sp., 9♀♀, 4♂♂, *Lonicera* sp., 4♀♀, 1♂, *Berberis* sp., 13♀♀, 3♂♂, *Cerastium banaticum*, 1♀, 1♂, *Syringa vulgaris*, 3♀♀, 2♂♂, *Cardaria* sp., 11♀♀, 6♂♂, *Castanea dentata*, 6♀♀, 12.V.1992; neighbourhood of Burdur Lake, *Malus communis*, 1♂, *Cardaria* sp., 6♂♂, *Prunus avium*, 11♂♂, *Amygdalus communis*, 1♀, 3♂♂, *Euphorbia* sp., 2♂♂, Asteraceae, 1♀, *Berberis* sp., 2♀♀, *Crataegus* sp., 3♀♀, 1♂, 12.V.1992-Keçiörü, 960 m, *Cydonia vulgaris*, 4♀♀; *Juglans regia*, 1♀, 12.V.1992-Uluborlu, 1500 m, *Pyrus elaeagrifolia*, 5♀, *Pinus* sp., 1♀, 12.V.1992; 1010 m, *Arabis* sp., 3♀♀, 12.V.1992-Senirkent, 1000 m, *Amygdalus communis*, 1♀, 1♂, *Crataegus* sp., 7♀♀, 5♂♂, *Mespilus germanica*, 1♀, 2♂♂; Garip

village, 900 m, Brassicaceae, 3♀♀, 2♂♂, *Amygdalus communis*, 2♀♀, *Malus communis*, 1♂, *Crataegus* sp., 5♀♀, 5♂♂, *Colutea* sp., 5♀♀, 5♂♂, 12.V.1992-Eğirdir, neighbourhood of Eğirdir Lake, north, 940 m, *Malus communis*, 1♀, *Cardaria draba*, 6♀♀, 5♂♂, Brassicaceae 2♀♀, 12.V.1992; south, Mahmutlar village, Brassicaceae, 5♀♀, 7♂♂, *Colutea* sp., 4♀♀, *Daphne sericea*, 3♀♀, 1♂, 13.V.1992-Gelendost, *Crataegus* sp., 3♀♀, *Cardaria draba*, 2♀♀, 13.V.1992-Yalvaç, Akşehir road, Kozluca, 1230 m, *Quercus* sp., 1♀, *Salix* sp., 1♀, *Lamium* sp., 1♀, *Galium* sp., 1♀, unknown tree, 3♀♀, 13.V.1992-Akşehir, 1010 m, *Syringa vulgaris*, 5♀♀, 5♂♂, 14.V.1992; forest, 1150 m, *Genista* sp., 4♀♀, *Fraxinus* sp., 5♀, *Berberis crataegina*, 6♀♀, 13.V.1992-Sultandağ, 970 m, Brassicaceae, 1♀, *Crataegus* sp.; 1♂, 13.V.1992-Çay, 1010 m, *Cardaria* sp., 6♀♀, 1♂, cereal, 1♀; park, 1010 m, *Syringa vulgaris*, 1♀1♂; forest, 1270 m, *Malus communis*, 2♀♀, *Pyrus elaeagrifolia*, 2♀♀, 13.V.1992-Yalvaç, Kozluca, 1140 m, *Smyrnum ratundifolium*, 5♀♀, 5♂♂, Brassicaceae, 2♀♀, *Pinus elaeagrifolia*, 1♀, 14.V.1992- Beyşehir, Bayavşar, 1170 m, *Pyrus elaeagrifolia*, 1♀, *Hordeum vulgare*, 1♀, Brassicaceae, 5♀♀, 14.V.1992; neighbourhood of Beyşehir Lake, Yeşildağ, 1150 m, *Ornithogalus* sp., 1♀; forest, 1300 m, Brassicaceae, 1♀, *Amygdalus communis*, 3♀♀, *Eriolobus trilobatus*, 12♀♀, 15.V.1992-Seydişehir, Pınarbaşı, 1110 m, *Pyrus elaeagrifolia*, 1♀, *Cydonia vulgaris*, 3♀♀; Kuğulu, 1130 m, *Crataegus* sp., 2♀♀, *Pyrus elaeagrifolia*, 1♀, *Fraxinus* sp., 2♀♀, 14.V.1992-Akseki, Cevizli, 1440, *Muscari* sp., 2♀♀, *Amygdalus communis*, 2♀♀, Brassicaceae, 7♀♀, *Pyrus elaeagrifolia*, 8♀♀, *Quercus* sp., 1♀, *Quercus* sp., 1♀, 15.V.1992.

Distribution in Turkey: Adana, Antalya, Hatay, Mersin, Afyonkarahisar, İzmir, Manisa, Balıkesir, Bilecik, Bolu, Bursa, İstanbul, Ankara, Eskişehir, Konya, Nevşehir, Niğde, Kayseri, Sivas, Düzce, Samsun, Diyarbakır, Erzurum.

Thrips minutissimus Linnaeus

Material: Yeşilova, neighbourhood of Salda Lake, *Quercus* sp., 14♀♀; Doğanbaba village, *Quercus* sp., 11♀♀, 4♂♂, 11.V.1992-Senirkent, 900 m, Garip village, *Quercus* sp., 12♀♀, *Quercus* sp., 4♀♀, 12.V.1992-Eğirdir, neighbourhood of Eğirdir Lake, north, 940 m, *Phyllirea* sp., 1♀, 12.V.1992; south, Mahmutlar village, *Daphne sericea*, 1♀, 13.V.1992-

Yalvaç, Akşehir road, Kozluçay, 1230 m, *Quercus* sp., 7♀♀, *Quercus* sp., 1♀, 13.V.1992; 1140 m, *Pyrus elaeagrifolia*, 1♀, 14.V.1992-Akşehir, forest, 1150 m, *Fraxinus* sp., 1♀, *Quercus* sp., 5♀♀, 13.V.1992-Çay, park, 1010 m, ornamental plant, 1♀; forest 1270 m, *Quercus* sp. 9♀♀, 13.V.1992-Seydişehir, Kuğulu, 1130 m, *Quercus* sp., 6♀♀, 14.V.1992-Beyşehir, neighbourhood of Beyşehir Lake, 1150 m, *Quercus* sp., 23♀♀, *Asperula* sp., 1♀; *Poa* sp., 1♀, 15.V.1992-Akseki, Cevizli, 1440 m, *Quercus* sp., 4♀♀, 1♂, 15.V.1992.

Distribution in Turkey: Adana, Antalya, Manisa, Ankara.

Thrips physapus Linnaeus

Material: Akşehir, neighbourhood of Akşehir Lake, Sorkun, 940 m, *Daucus* sp., 1♀, *Centaurea calcitrapa*, 10♀♀, 31.VII.1990-Eğirdir, neighbourhood of Eğirdir Lake, Yeşilköy, 920 m, *Onobrychis* sp., 1♀, 31.VII.1990; Barla, Bağören, 940 m, *Amygdalus communis*, 1♀, 12.VIII.1991-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Carduus marianus*, 2♀♀, 02.VIII.1990; neighbourhood of Salda Lake, 1220 m, *Centaurea solstitialis*, 3♀♀, *Chenopodium* sp., 1♂, 21.VIII.1991-Sultandağ, neighbourhood of Eber Lake, *Lythrum salicaria*, 2♀♀, 30.VII.1990-Beyşehir, 1440 m, *Centaurea solstitialis*, 2♀♀, *Daucus* sp., 2♀♀; 1150 m, herb, 1♀, 10.VIII.1991; 1410 m, *Phragmites* sp., 1♀, 11.VIII.1991; Bayavşar, 1170 m, *Anchusa* sp., 2♀♀, 14.V.1992; forest, 1300 m, *Amygdalus communis*, 1♀, 15.V.1992-Şarkikaraağaç, 1250 m, *Centaurea solstitialis*, 1♀, 1♂, 11.VIII.1991-Uluborlu, 1000 m, *Centaurea calcitrapa*, 3♀♀, 2♂♂, 12.VIII.1991-Tefenni, 1150 m, *Delphinium* sp., 1♀, 17.VIII.1991-Burdur, park of sugar factory, 950 m, *Viburnum opulus*, 1♀, 11.V.1992; neighbourhood of Burdur Lake, Asteraceae, 1♀, 12.V.1992-Yalvaç, Kozluçay, 1140 m, Brassicaceae, 1♀, 14.V.1992-Seydişehir, Kuğulu, 1130 m, *Pyrus elaeagrifolia*, 1♀, 14.V.1992-Akseki, Cevizli, 1440 m, *Muscari* sp., 1♀, 15.V.1992.

Distribution in Turkey: Antalya, Kahramanmaraş, Afyonkarahisar, Manisa, Bursa, İstanbul, Ankara, Nevşehir, Niğde, Eskişehir, Düzce, Samsun.

Thrips tabaci Lindeman

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Cardaria* sp., 14♀♀, 1♂, *Acantholimon*

sp., 5♀♀, Chenopodiaceae, 2♀♀, *Inula aculus-christi*, 2♀♀, *Lythrum salicaria*, 8♀♀, 30.VII.1990-Sandıklı, Çiğiltepe, *Centaurea solstitialis*, 1♀, 2.IX.1990-Sultandağ, 970 m, *Anthemis* sp., 1♀, *Ranunculus* sp., 1♀, Brassicaceae, 1♀, 13.V.1992-Çay, 1010 m, *Myosotis* sp., 1♀, 13.V.1992-Akşehir, neighbourhood of Akşehir Lake, Sorkun, 940 m, *Cardopatum corymbosum*, 3♀♀, *Onobrychis* sp., 13♀♀, *Daucus* sp., 7♀♀, *Centaurea calcitrapa*, 1♀, 31.VII.1990; Akşehir, forest, 1150 m, *Genista* sp., 1♀, *Fraxinus* sp., 1♀, *Berberis crataegina*, 1♀, 13.V.1992-Eğirdir, 920 m, *Scirpoides holoscoenus*, 1♀, 31.VII.1990; 960 m, Asteraceae, 3♀♀, 3♂, *Cynanchuna* sp., 3♀♀, *Cichorium intybus*, 4♀♀, *Convolvulus arvensis*, 4♀♀, *Echinocloa crus-galli*, 3♀♀, *Verbascum* sp., 1♀, *Panicum italicum*, 1♀, *Panicum miliaceum*, 2♀♀, Brassicaceae, 4♀, 12.VIII.1991; neighbourhood of Eğirdir Lake, Yeşilköy, 920 m, *Onobrychis* sp., 4♀♀, *Euphorbia* sp., 1♀, *Mentha* sp., 1♀, 31.VII.1990; neighbourhood of Eğirdir Lake, north, 940 m, *Hypocoum pendulum*, 3♀♀, 12.V.1992; south, Mahmutlar village, *Colutea* sp., 1♀, 13.V.1992-Burdur, neighbourhood of Burdur Lake, 900 m, *Prunus persica*, 2♀♀, *Chenopodium* sp., 4♀♀, *Centaurea calcitrapa*, 2♀♀, *Medicago sativa*, 2♀♀, *Cynanchum acutum*, 9♀♀, *Daucus* sp., 6♀♀, 01.VIII.1990; *Vicia* sp., 1♀, Asteraceae, 4♀♀, 12.V.1992-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Panicum* sp., 1♀, 02.VIII.1990; Sazak village, 950 m, *Hordeum vulgare*, 1♀, *Eruca* sp., 1♀, *Cardaria draba*, 1♀, 11.V.1992; neighbourhood of Salda Lake, 1160 m, *Artemisia* sp., 1♀, *Echinophora taurnefortii*, 5♀♀, *Nicotiana tabacum*, 2♀♀, 02.VIII.1990; 1180 m, *Alyssum* sp., 6♀♀, *Vitis vinifera*, 2♀♀, 19.VIII.1991; 1220 m, *Malus communis*, 1♀, *Silene* sp., 1♀, *Panicum italicum*, 1♀, *Poa pratensis*, 4♀♀, *Xeranthemum annuum*, 1♀, *Chenopodium* sp., 3♀♀, *Alyssum* sp., 4♀♀, *Hypericum* sp., 1♀, *Ononis spinosa*, 5♀♀, *Medicago sativa*, 1♀, 21.VIII.1991; forest, 1440 m, Fabaceae, 2♀♀, *Cucumis melo*, 14♀♀, *Chartamus* sp., 1♀; *Tagetes* sp., 4♀♀; 21.VIII.1991; 1750 m, *Euphorbia* sp., 6♀♀, Apiaceae, 8♀♀, 22.VIII.1991-Dazkırı, neighbourhood of Acıgöl Lake, 850 m, *Medicago sativa*, 2♀♀, *Panicum* sp., 2♀♀, 03.VIII.1990-Beyşehir, 1460 m, *Centaurea iberica*, 1♀, *Adenocarpus complicatus*, 1♀, *Lythrum* sp., 5♀♀, *Sambucus ebulus*, 5♀♀, *Chartamus* sp., 6♀♀; 1160 m, *Senecio* sp., 3♀♀, Lamiaceae, 2♀♀, *Inula* sp.,

1♀; 1150 m, *Vitis vinifera*, 4♀♀, *Helianthus annuus*, 2♀♀, herb, 13♀♀, 10.VIII.1991; 1410 m, *Echinops* sp., 2♀♀, *Verbascum*, 1♀, 11.VIII.1991; Bayavşar, 1160 m, *Xeranthemum annuum*, 1♀, *Melilotus* sp., 1♀, *Sinapis* sp., 2♀♀, *Helianthus annuus*, 2♀♀, 10.VIII.1991; 1170 m, *Pyrus elaeagrifolia*, 1♀, Brassicaceae, 6♀♀, *Maltkia aurea*, 2♀♀, 14.V.1992; neighbourhood of Beyşehir Lake, 1150 m, *Bellis* sp., 2♀♀, *Bellis* sp., 1♀; Kireli, 1140 m, *Cardaria draba*, 4♀♀, *Alopecurus pratensis*, 1♀, *Lens culinaris*, 1♀, 14.V.1992; Yeşildağ, 1150 m, *Ornithogalus* sp., 1♀; forest 1180 m, *Berberis crataegina*, 1♀, 15.V.1992-Seydişehir, 1110 m, *Typha angustifolia*, 1♀, *Lotus* sp., 1♀, *Chondrilla juncea*, 1♀, Chenopodiaceae, 1♀, 10.VIII.1991-Şarkikaraağaç, 1300 m, *Hypericum* sp., 1♀, *Carthamus* sp., 1♀; 1220 m, *Medicago sativa*, 1♀, *Onobrychis* sp., 1♀, *Daucus* sp., 1♀, Apiaceae, 5♀♀; 1250 m, *Isatis* sp., 6♀♀, 1♂, *Centaurea* sp., 1♀, *Centaurea solstitialis*, 1♀, 11.VIII.1991; 1180 m, *Alyssum* sp., 2♀♀, *Veronica* sp., 2♀♀, *Melilotus* sp., 4♀♀; Fele, 1260 m, *Galium* sp., 1♀, *Ranunculus* sp., 1♀, 14.V.1992- Gelendost, Bahtiyar, 1070 m, *Xeranthemum annuum*, 2♀♀, *Beta vulgaris*, 2♀♀, *Sorghum* sp., 4♀♀, *Consolida* sp., 3♀♀, Apiaceae, 1♀, *Sideritis* sp., 2♀♀, Hacilar, 950 m, *Panicum miliaceum*, 2♀♀, 11.VIII.1991; Gelendost, *Cardaria draba*, 4♀♀, 13.V.1992-Uluborlu, 1000 m, grass, 1♀, 12.VIII.1991-Keçiborlu, 1310 m, *Chenopodium* sp., 3♀♀; 1130 m, Umbelliferae, 1♀, *Prunus domestica*, 2♀♀, Brassicaceae, 6♀♀, Apiaceae, 1♀, 12.VIII.1991; 960 m, *Asperugo procumbens*, 3♀♀, *Raphanus* sp., 4♀♀, *Hordeum vulgare*, 3♀♀, 12.V.1992-Senirkent, 1000 m, *Amygdalus communis*, 1♀, 12.V.1992-Çeltikçi, Tekke, 930 m, *Echinochloa crus-galli*, 3♀♀, *Nicotiana tabacum*, 6♀♀, 12.VIII.1991-Tefenni, 1450 m, Fabaceae, 4♀♀, *Linaria* sp., 3♀♀; 1150 m, *Chenopodium* sp., 6♀♀, *Capsella bursa-pastoris*, 2♀♀, *Descuriana sophia*, 2♀♀, 17.VIII.1991; Gent Deresi, 1200 m, Brassicaceae, 2♀♀, *Galium* sp., 1♀, *Medicago sativa*, 2♀♀, 11.V.1992-Yalvaç, Kozluca, 1140 m, Brassicaceae, 1♀, *Anthemis* sp., 2♀♀, Brassicaceae, 1♀, *Alopecurus pratensis*, 1♀, *Pyrus elaeagrifolia*, 1♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Gaziantep, Hatay, Kahramanmaraş, Mersin, Afyonkarahisar, Aydın, İzmir, Manisa, Balıkesir, Bilecik, Bursa, Çanakkale, İstanbul, Tekirdağ, Yalova, Ankara, Eskişehir, Konya, Nevşehir, Niğde,

Adapazarı, Amasya, Çorum, Düzce, Ordu, Samsun, Diyarbakır, Şanlıurfa, Erzincan, Erzurum.

Thrips trehernei Priesner

Material: Gelendost, Bahtiyar, 1070 m, *Sideritis* sp., 1♀, 11.VIII.1991-Tefenni, Gent Deresi, *Taraxacum* sp., 2♀, 11.V.1992-Burdur, park of sugar factory, 950 m, *Taraxacum* sp., 3♀♀, 1♂; neighbourhood of Burdur Lake, *Berberis* sp., 7♀♀, 6♂♂; *Crataegus* sp., 1♀, 3♂♂; *Secale cereale*, 1♀, 12.V.1992-Sultandağ, 970 m, *Ranunculus* sp., 1♂, 13.V.1992-Yalvaç, Kozluca, 1140 m, Brassicaceae, 2♀♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Isparta, Bursa, Ankara, Konya, Adapazarı, Düzce, Samsun.

Thrips verbasci (Priesner)

Material: Dazkırı, neighbourhood of Acıgöl Lake, 850 m, *Verbascum* sp., 1♀, 03.VIII.1990-Beyşehir, 1410 m, *Verbascum* sp., 2♀♀, 1♂, 10.VIII.1991-Yalvaç, Akşehir road, Kozluca, 1640 m, *Lamium* sp., 1♀, 13.V.1992.

Distribution in Turkey: Bursa, İstanbul, Ankara, Konya, Düzce.

Thrips vuilleti (Bagnall)

Material: Uluborlu, 1000 m, *Centaurea calcitrapa*, 1♀, 12.VIII.1991.

Distribution in Turkey: Manisa, Ankara.

PHLAEOTHIRIPIDAE

Apterygothrips priesneri zur Strassen

Material: Yeşilova, neighbourhood of Salda Lake 1160 m, *Pinus* sp., 10♀♀, *Quercus* sp., 1♀, 02.VIII.1990; *Pinus* sp., 13♀♀, 1♂, 11.V.1992.

Distribution in Turkey: Antalya, İzmir.

Cephalothrips monilicornis O. M. Reuter

Material: Yeşilova, neighbourhood of Salda Lake, 1160 m, *Scirpoides holoschoenus*, 4♀♀, 02.VIII.1990; forest, 1750 m, *Juncus* sp., 10♀♀, 22. VIII.1991-Sandıklı, Çiğiltepe, *Scirpoides holoschoenus*, 11♀♀, 22.IX.1990-Senirkent, Garip village, 920 m, *Scirpoides* sp., 1♀, 3♂♂, 12.VIII.1991-Şarkikaraağaç, 1180 m, *Koleria cristata*, 1♀, 14.V.1992.

Distribution in Turkey: Antalya (Manavgat, *Citrus limon*, 1♀, 06.V.2007) (Tekşam and Tunç, 2009).

Haplothrips aculeatus (Fabricius)

Material: Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Panicum* sp., 3♀♀, 02.VIII.1990.

Distribution in Turkey: Adana, Antalya, Hatay, Kahramanmaraş, Osmaniye, Mersin, Aydın, İzmir, Manisa, Muğla, Amasya, Çorum, Ordu, Samsun, Şanlıurfa.

Haplothrips andresi Priesner

Material: Yeşilova, neighbourhood of Salda Lake, 1160 m, *Quercus* sp., 5♀♀, 3♂♂, 02.VIII.1990; 1180 m, *Quercus* sp., 3♀♀, 19.VIII.1991; 1220 m, *Quercus* sp., 2♂♂, 21.VIII.1991-Akseki, Cevizli, 1260 m, *Pyrus elaeagrifolia*, 2♀♀, 1♂, *Quercus petraea* subsp. *iberica*, 1♀, 1♂, 10.VIII.1991; 1440 m, *Quercus* sp., 1♀, 15.V.1992-Eğirdir, neighbourhood of Eğirdir Lake, Barla, Bağören, 940 m, *Prunus amygdalus*, 1♀, 2♂♂, *Vitis vinifera*, 1♀, 1♂, 12.VIII.1991-Uluborlu, 1310 m, *Phyllirea* sp., 1♀, 1♂, 12.VIII.1991-Burdur, neighbourhood of Burdur Lake, *Amygdalus communis*, 1♀, 12.V.1992-Akşehir, forest, 1150 m, *Berberis crataegina*, 1♀, 13.V.1992-Seydişehir, Kuğulu, 1130 m, *Quercus* sp., 1♀, *Fraxinus* sp., 1♂, 14.V.1992-Beyşehir, neighbourhood of Beyşehir Lake, forest, 1180 m, *Berberis crataegina*, 2♀♀, 15.V.1992.

Distribution in Turkey: Antalya, Gaziantep, Mersin, İzmir, Manisa, Ankara, Samsun, Mardin, Iğdır.

Haplothrips bolacophilus Priesner

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, Chenopodiaceae, 4♀♀, 1♂, 30.VII.1990-Senirkent, Garip village, 920 m, *Salix* sp., 1♀, 12.VIII.1991.

Distribution in Turkey: Adana, Antalya, Mersin, İzmir, Manisa, Bursa.

Haplothrips distinguendus (Uzel)

Material: Burdur, neighbourhood of Burdur Lake, 900 m, *Daucus* sp., 2♀♀, 01.VIII.1990; *Crataegus* sp., 1♀, 12.V.1992-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Carduus marianus*, 1♀, 02.VIII.1990-Beyşehir, 1410 m, *Daucus* sp., 1♀, 10.VIII.1991-Uluborlu, 1010 m, *Veronica* sp., 1♂, 12.V.1992-Senirkent, 1000 m, *Crataegus* sp., 1♀, 12.V.1992-

Seydişehir, Kuğulu, 1130 m, *Pyrus elaeagrifolia*, 1♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Mersin, Afyonkarahisar, İzmir, Manisa, Muğla, Bursa, İstanbul, Yalova, Ankara, Düzce.

Haplothrips flavicinctus (Karny)

Material: Eğirdir, 960 m, *Cynodon dactylon*, 6♀♀, 12.VIII.1991-Uluborlu, 1310 m, *Cynodon dactylon*, 1♀, 1♂, 12.VIII.1991.

Distribution in Turkey: Adana, Antalya, Mersin, İzmir, Ankara.

Haplothrips knechteli Priesner

Material: Yeşilova, neighbourhood of Salda Lake, *Amygdalus communis*, 1♀, 02.VIII.1990; 1180 m, *Pistacia* sp., 1♀, 2♂♂, 19.VIII.1991-Beyşehir, 1150 m, *Vitis vinifera*, 1♀, 10.VIII.1991-Eğirdir, neighbourhood of Eğirdir Lake, Barla, Bağören, 940 m, *Amygdalus communis*, 2♀♀, 1♂, 12.VIII.1991.

Distribution in Turkey: Adana, Kahramanmaraş.

Haplothrips reuteri Karny

Material: Sultandağ, neighbourhood of Eber Lake, 960 m, *Acantholimon* sp., 5♀♀, Chenopodiaceae, 1♂, *Inula aculus-christi*., 8♀♀, 2♂♂, *Lythrum salicaria*, 2♀♀, 30.VII.1990; Sultandağ, 970 m, *Anthemis* sp., 10♀♀, 1♂, *Crataegus* sp., 1♀, *Anthemis* sp., 1♀, 13.V.1992-Akşehir, neighbourhood of Akşehir Lake, Sorkun, 940 m, *Cardopatum corymbosum*, 5♀♀, 2♂♂, 31.VII.1990; Akşehir, forest, 1150 m, *Genista* sp., 1♀, *Fraxinus* sp., 6♀♀, 5♂♂, 13.V.1992-Burdur, park of sugar factory, 950 m, *Viburnum opulus*, 7♀♀, 11.V.1992; *Lonicera* sp., 1♀, *Salix* sp., 1♂, 12.V.1992; neighbourhood of Burdur Lake, 900 m, *Medicago sativa*, 1♀, *Echinops ritro*, 5♀♀, *Daucus* sp., 5♀♀, 4♂♂, 01.VIII.1990; *Centaurea* sp., 5♀♀, 1♂, *Senecio* sp., 5♀♀, 2♂♂, *Amygdalus communis*, 1♀, *Euphorbia* sp., 1♀, *Vicia* sp., 3♀♀, *Berberis* sp., 13♀♀, *Crataegus* sp., 3♀♀, 1♂, Asteraceae, 2♀♀, 1♂, 12.V.1992-Keçiborlu, 960 m, *Cydonia vulgaris*, 2♀♀, 12.V.1992; 1310 m, *Althaea* sp., 1♂, 12.VIII.1991-Yeşilova, neighbourhood of Yarışlı Lake, 910 m, *Carduus marianus*, 1♀, 1♂, *Mentha* sp., 2♀♀, *Medicago sativa*, 5♀♀, 02.VIII.1990; Sazak village, 950 m, *Eruca* sp., 5♀♀, 1♂, *Cydonia vulgaris*, 6♀♀, *Berberis crataegina*, 3♀♀, *Anthemis*

sp., 6♀♀, 3♂♂, *Cardaria draba*, 1♀, 11.V.1992; neighbourhood of Salda Lake, 1160 m, *Echinophora taurnefortii*, 2♂♂, *Xeranthemum annuum*, 4♀♀, 2♂♂, 02.VIII.1990; 1220 m, *Xeranthemum annuum*, 2♂♂, *Medicago sativa*, 1♂, forest, 1440 m, *Chartamus* sp., 2♂♂, *Mentha* sp., 2♀♀, 1♂, 21.VIII.1991; *Geranium* sp., 2♀♀, *Pyrus elaeagrifolia*, 3♀♀, 3♂♂, *Quercus* sp., 6♀♀; Doğanbaba village, *Tripleurospermium* sp., 12♀♀, 6♂♂, *Euphorbia* sp., 3♀♀, *Amygdalus communis*, 5♀♀, *Quercus* sp., 1♂, 11.V.1992-Acıpayam, Karahöyük village, 930 m, *Nicotiana tabacum*, 5♀♀, 02.VIII.1990-Dazkırı, neighbourhood of Acıgöl Lake, 850 m, *Verbascum* sp., 2♀♀, 2♂♂, 03.VIII.1990-Sandıklı, Çiğiltepe, *Centaurea solstitialis*, 1♀, 22.IX.1990-Beyşehir, 1440 m, *Centaurea iberica*, 2♀♀, *Xeranthemum annuum*, 2♀♀, 2♂♂; 1160 m, *Epilobium* sp., 2♀♀, *Senecio* sp., 1♀; 1150 m, *Helianthus annuus*, 3♀♀, 2♂♂, 10.VIII.1991; 1410 m, *Echinops* sp., 1♂, *Phragmites* sp., 1♀, 11.VIII.1991; neighbourhood of Beyşehir Lake, Kireli, 1140 m, *Lens culinaris*, 1♀; Gölbaşı village, 1020 m, *Anthemis* sp., 7♀♀, *Phragmites* sp., 1♀, *Anchusa* sp., 5♀♀, *Reseda* sp., 10♀♀, 1♂, 14.V.1992; 1150 m, *Bellis* sp., 9♀♀, 1♂; *Bellis* sp., 5♀♀, 14.V.1992; 1150 m, *Veronica* sp., 1♀, Yeşildağ, 1150 m, *Ornithogalus* sp., 6♀♀, *Malus communis*, 8♀♀, 1♂, Brassicaceae, 3♀♀; forest, 1180 m, *Berberis crataegina*, 1♀, *Ruta* sp., 1♀, *Pyrus elaeagrifolia*, 3♀♀; 1300 m, Brassicaceae, 3♀♀, 1♂, *Ajuga* sp., 6♀♀, 1♂, *Muscari* sp., 1♀, *Eriolobus trilobatus*, 2♀♀, *Amygdalus communis*, 3♀♀, 2♂♂, 15.V.1992; Bayavşar, 1160 m, *Xeranthemum annuum*, 2♀♀, 1♂, *Helianthus annuus*, 11♀♀, 3♂♂, 10.VIII.1991; 1170 m, *Pyrus elaeagrifolia*, 4♀♀, Brassicaceae, 4♀♀, *Maltkia aurea*, 4♀♀, 1♂, *Anchusa* sp., 4♀♀, 14.V.1992-Şarkikaraağaç, 1300 m, *Carthamus* sp., 2♀♀, 2♂♂; 1220 m, *Medicago sativa*, 1♀; 1250 m, *Centaurea* sp., 1♀, *Centaurea solstitialis*, 5♀♀, 3♂♂, 11.VIII.1991; 1180 m, Asteraceae, 5♀♀, *Ajuga* sp., 9♀♀, 3♂♂, *Alyssum* sp., 2♀♀, *Veronica* sp., 3♀♀, *Melilotus* sp., 15♀♀, 3♂♂, *Anchusa* sp., 2♀♀, *Lamium* sp., 2♀♀, *Geranium* sp., 1♀; Fele, 1260 m, *Lathyrus* sp., 3♀♀, *Arabis* sp., 1♀, *Cedrus* sp., 1♂, *Asperula* sp., 8♀♀, 2♂♂, *Galium* sp., 3♀♀, 3♂♂, *Ranunculus* sp., 1♀, 14.V.1992-Gelendost, *Crataegus* sp., 2♀♀, *Veronica* sp., 1♀, 13.V.1992; Bahtiyar, 1070 m, *Xeranthemum annuum*, 2♀♀, 2♂♂, 11.VIII.1991-Eğirdir, 960 m,

Scabiosa sp., 1♂, 12.VIII.1991; neighbourhood of Eğirdir Lake, north, 940 m, *Malus communis*, 1♀, 12.V.1992; south, Mahmutlar village, Brassicaceae, 2♀♀, *Daphne sericea*, 4♀♀, 13.V.1992-Senirkent, Garip village, 920 m, *Salix* sp., 1♂, 12.VIII.1991-Uluborlu, 1000 m, *Centaurea calcitrapa*, 4♀♀, 1♂, 12.VIII.1991; 900 m, *Trigonella* sp., 3♀♀; *Ajuga* sp., 3♀♀, 2♂♂, *Crataegus* sp., 1♀; 1010 m, *Arabis* sp., 2♀♀, *Veronica* sp., 1♀, 1♂, *Senecio* sp., 5♀♀, 5♂♂, *Crataegus* sp., 3♀♀, 2♂♂, 12.V.1992-Tefenni, 1450 m, *Charthamus* sp., 4♀♀, 1♂, 1150 m, *Delphinium* sp., 1♂, 17.VIII.1991; *Capsella bursa-pastoris*, 1♀ 11.V.1992; Gent Deresi, *Crataegus* sp., 1♂, *Galium* sp., 3♀♀, *Cydonia vulgaris*, 1♂, *Malus communis*, 1♀, *Prunus avium*, 1♀, 11.V.1992-Yalvaç, Akşehir road, Kozluca, 1230 m, *Quercus* sp., 1♀, *Lamium* sp., 5♀♀, 1♂, herb, 4♀♀, 13.V.1992; 1140 m, *Anthemis* sp., 3♀♀, Brassicaceae, 7♀♀, 2♂♂, *Ajuga* sp., 5♀♀, 1♂, 14.V.1992-Çay, 1010 m, *Myosotis* sp., 8♀♀, *Senecio* sp., 9♀♀, 1♂, grass, 1♂, *Castanea sativa*, 1♀, *Myosotis* sp., 4♀♀, 2♂♂, *Syringa vulgaris*, 2♀♀, 2♂♂; forest, 1270 m, *Malus communis*, 1♀, *Quercus* sp., 1♀, 13.V.1992-Seydişehir, Kuşulu, 1130 m, *Quercus* sp., 1♀, 14.V.1992-Akseki, Cevizli, 1440, *Muscari* sp., 1♀, *Quercus* sp., 1♂, Asteraceae, 1♀, 15.V.1992.

Distribution in Turkey: Antalya, Gaziantep, Isparta, Kahramanmaraş, Afyonkarahisar, Aydın, İzmir, Manisa, Balıkesir, Bilecik, Bolu, Bursa, Çanakkale, Edirne, İstanbul, Tekirdağ, Ankara, Eskişehir, Konya, Nevşehir, Niğde, Yozgat, Düzce, Samsun, Diyarbakır, Şanlıurfa, Erzurum.

Haplothrips tritici Kurdjumov

Material: Tefenni, 1140 m, *Secale cereale*, 7♀♀, 5♂♂; *Bromus tectorum*, 7♀♀; Gent Deresi, *Triticum aestivum*, 16♀♀, 3♂♂, *Medicago sativa*, 2♀, grass, 1♀, 11.V.1992-Yeşilova, neighbourhood of Salda Lake, *Pinus* sp., 2♀♀, *Hordeum vulgare*, 11♀♀, 3♂♂; Doğanbaba village, *Euphorbia* sp., 2♀♀; neighbourhood of Varışlı Lake, Sazak village, 950 m, *Hordeum vulgare*, 10♀♀, 2♂♂, 11.V.1992-Burdur, neighbourhood of Burdur Lake, *Euphorbia* sp., 1♀, *Secale cereale*, 7♀♀, 1♂, 12.V.1992-Keçiborlu, 960 m, *Avena* sp., 2♀♀, *Juglans regia*, 1♀, *Hordeum vulgare*, 12♀♀, 2♂♂, 12.V.1992-Uluborlu, 1500 m, *Pinus* sp., 7♀♀; 1010 m, *Veronica* sp., 1♀, 12.V.1992-Senirkent, Garip village, 900 m, *Amygdalus communis*, 2♀♀,

Malus communis, 1♂, *Quercus* sp., 1♂, 12.V.1992-Gelendost, *Cardaria draba*, 1♀, 13.V.1992-Yalvaç, Akşehir road, Kozluca, 1230 m, *Quercus* sp., 1♀, 13.V.1992; 1140 m, cereal, 1♀, *Anthemis* sp., 1♀, 14.V.1992-Çay, 1010 m, *Medicago sativa*, 1♀, *Amygdalus communis*, 2♀♀, grass, 1♀, cereal, 2♀♀, 13.V.1992-Sultandağ, neighbourhood of Eber Lake, 960 m, *Lepidium* sp., 1♀, 13.V.1992-Şarkikaraağaç, 1180 m, *Hordeum vulgare*, 10♀♀, grass, 1♀, *Alopecurus pratensis*, 2♀♀; Fele, 1260 m, *Arabis* sp., 1♀; *Cedrus* sp., 1♂, Poaceae, 3♀♀, 3♂♂, 14.V.1992-Beyşehir, Bayağaç, 1170 m, *Hordeum vulgare*, 6♀♀, 1♂, 14.V.1992; neighbourhood of Beyşehir Lake, 1150 m, *Bellis* sp., 1♀, cereal, 4♀♀, 14.V.1992; Kireli, 1140 m, *Hordeum vulgare*, 6♀♀, *Alopecurus pratensis*, 2♀♀, *Lens culinaris*, 1♀; Gölbaşı village, 1020 m, *Phragmites* sp., 2♀♀, 14.V.1992; Yeşildağ, 1150 m, *Poa compressa*, 1♀, *Narcissus* sp., 1♀, Brassicaceae, 2♀♀; forest, 1180 m, cereal, 8♀♀, 1300 m, grass, 1♀, 15.V.1992-Seydişehir, Pınarbaşı, 1110 m, grass, 1♀, 14.V.1992.

Distribution in Turkey: Adana, Antalya, Gaziantep, Hatay, Kahramanmaraş, Mersin, İzmir, Kütahya, Manisa, Bilecik, Bursa, İstanbul, Aksaray, Ankara, Çankırı, Eskişehir, Kayseri, Konya, Nevşehir, Niğde, Sivas, Yozgat, Amasya, Samsun, Diyarbakır, Mardin, Şanlıurfa, Erzurum, Muş.

Neoheegeria dalmatica Schmutz

Material: Beyşehir, 1410 m, *Phlomis* sp., 1♀, 1♂, 11.VIII.1991-Uluborlu, 1000 m, *Phlomis* sp., 7♀♀, 3♂♂, 12.VIII.1991-Çay, park, 1010 m, *Myosotis* sp., 1♀, 13.V.1992.

Distribution in Turkey: Antalya, Mersin, Ankara, Erzurum.

Sinuothrips hasta Collins

Material: Beyşehir, 1410 m, *Phragmites* sp., 1♀, 7♂♂, 11.VIII.1991.

Distribution in Turkey: Afyonkarahisar or Konya (type locality). Host *Phragmites* sp. Endemic.

Remarks: The species was described after specimens collected on reeds imported into England from Turkey, 13.VIII.1997 (Collins, 2000). Beyşehir Lake, Eber Lake, and Akşehir Lake, all included in the present study, were mentioned among the possible locations of origin of the reeds.

Discussion

The study revealed 74 Thysanoptera species, of which 45 are new records for the Lakes Region (Table). Three genera, namely *Bregmatothrips* Hood, *Eremiothrips* Priesner, and *Iridothrips* Priesner; and 5 species, namely *Bregmatothrips dimorphus* (Priesner), *Eremiothrips dubius* (Priesner), *Eremiothrips taghizadehi* (zur Strassen), *Iridothrips iridis* (Watson), and *Mycterothrips annulicornis* (Uzel) are new records for the Turkish fauna. The previously unknown male (allotype) of *Rhipidothrips flavus* Tunç was discovered and described.

The most common and abundant species, with the number of samples-specimens they were represented by, were *Thrips meridionalis* (Priesner) (92-437), *Thrips tabaci* Lindeman (137-412), and *Haplothrips reuteri* Karny (130-489) (Table). Among the others, *Aeolothrips collaris* Priesner (48-130), *Aeolothrips intermedius* Bagnall (73-189), *Melanthrips pallidior* Priesner (39-124), *Chirothrips manicatus* Haliday (39-148), *Tenothrips frici* (Uzel) (36-160), and *Haplothrips tritici* Kurdjumov (46-168) were more frequent and abundant.

Habitat analysis of the species indicates that cereal and grass inhabiting species constitute a large group being represented by 17 species (Table, list no: 14-22, 31, 34-37, 65, 69, 72). The number of species inhabiting on deciduous and/or evergreen trees and shrubs is same (3, 6, 7, 11-13, 23-25, 38, 40, 43, 46, 57, 66, 70). A few of these are included also in other groups, e.g., pine inhabitants, predators. Several species are much polyphagous and their host list may include many herbaceous and ligneous plant species (28, 29, 41, 50, 56, 59, 71), while others have limited host preferences such as Asteraceae (48, 49, 58, 60, 62), Fabaceae (33, 42), pine (43, 63), Brassicaceae (8), *Euphorbia* (52), *Phragmites* (74), *Iris* (32), *Phlomis* (73), *Verbascum* (61), *Cerintho minor* (9). Finally seven species are known as predators of small arthropods (1, 2, 4, 6, 7, 13, 44).

Generalisations can be made regarding the distribution of the species found. A few species are cosmopolitan (16, 17, 59) or semi-cosmopolitan (35) or holarctic (6, 21, 31, 51, 60). The majority are Palaearctic, some with limited distribution within the region or expanded beyond it: Whole Palaearctic

Table. The list, frequency, and abundance of Thysanoptera species found in the Lakes Region of Turkey in 1990-1992.

No.	species	f ¹	a ²	No.	species	f ¹	a ²
	AEOLOTHRIPIDAE			38	<i>Mycterothrips albidicornis</i>	27	54
1	<i>Aeolothrips collaris</i>	48	130	39	<i>Mycterothrips annulicornis</i>	1	2
2	<i>Aeolothrips fasciatus</i>	2	2	40	<i>Mycterothrips tschirkunae</i>	8	37
3	<i>Aeolothrips gloriosus</i>	5	7	41	<i>Neohydatothrips gracilicornis</i>	10	19
4	<i>Aeolothrips intermedius</i>	73	189	42	<i>Odontothrips confusus</i>	8	28
5	<i>Aeolothrips linarius</i>	1	1	43	<i>Oxythrips ajugae</i>	6	27
6	<i>Aeolothrips melaleucus</i>	8	9	44	<i>Scolothrips longicornis</i>	4	7
7	<i>Aeolothrips versicolor</i>	3	8	45	<i>Sericothrips bicornis</i>	1	3
8	<i>Melanthrips fuscus</i>	6	8	46	<i>Taeniothrips inconsequens</i>	5	14
9	<i>Melanthrips knechteli</i>	3	34	47	<i>Tenothrips anatolicus</i>	3	14
10	<i>Melanthrips pallidior</i>	39	124	48	<i>Tenothrips discolor</i>	3	7
11	<i>Melanthrips rivnayi</i>	2	6	49	<i>Tenothrips frici</i>	36	160
12	<i>Melanthrips trifasciatus</i>	3	7	50	<i>Thrips angusticeps</i>	6	11
13	<i>Orothrips priesneri</i>	8	28	51	<i>Thrips atratus</i>	5	6
14	<i>Rhipidothrips brunneus</i>	2	8	52	<i>Thrips dubius</i>	1	7
15	<i>Rhipidothrips flavus</i>	12	23	53	<i>Thrips fedorovi</i>	1	1
	THRIPIDAE			54	<i>Thrips italicus</i>	3	8
16	<i>Anaphothrips obscurus</i>	6	30	55	<i>Thrips major</i>	1	3
17	<i>Aptinothrips rufus</i>	8	18	56	<i>Thrips meridionalis</i>	92	437
18	<i>Bregmatothrips dimorphus</i>	2	18	57	<i>Thrips minutissimus</i>	17	98
19	<i>Chirothrips aculeatus</i>	1	3	58	<i>Thrips physapus</i>	23	43
20	<i>Chirothrips kurdistanus</i>	3	9	59	<i>Thrips tabaci</i>	137	412
21	<i>Chirothrips manicatus</i>	39	148	60	<i>Thrips trehernei</i>	8	28
22	<i>Collemboothrips mediterraneus</i>	2	21	61	<i>Thrips verbasci</i>	3	5
23	<i>Dendrothrips phyllireae</i>	1	1	62	<i>Thrips vUILLETI</i>	1	1
24	<i>Dendrothrips saltatrix</i>	3	5		PHLAEOTHRIPIDAE		
25	<i>Drepanothrips reuteri</i>	7	13	63	<i>Apterygothrips priesneri</i>	3	25
26	<i>Eremiothrips dubius</i>	1	15	64	<i>Cephalothrips monilicornis</i>	5	30
27	<i>Eremiothrips taghizadehi</i>	3	10	65	<i>Haplothrips aculeatus</i>	1	3
28	<i>Frankliniella intonsa</i>	14	36	66	<i>Haplothrips andresi</i>	14	32
29	<i>Frankliniella occidentalis</i>	2	3	67	<i>Haplothrips bolacophilus</i>	2	6
30	<i>Frankliniella pallida</i>	2	2	68	<i>Haplothrips distinguendus</i>	7	8
31	<i>Frankliniella tenuicornis</i>	3	3	69	<i>Haplothrips flavicinctus</i>	1	6
32	<i>Iridothrips iridis</i>	1	6	70	<i>Haplothrips knechteli</i>	4	7
33	<i>Kakothrips robustus</i>	1	3	71	<i>Haplothrips reuteri</i>	130	489
34	<i>Limothrips angulicornis</i>	2	10	72	<i>Haplothrips tritici</i>	46	168
35	<i>Limothrips cerealium</i>	1	1	73	<i>Neoheegeria dalmatica</i>	3	13
36	<i>Limothrips denticornis</i>	1	1	74	<i>Sinuothrips hasta</i>	1	8
37	<i>Limothrips transcaucasicus</i>	3	6				
					Total	397	3173

¹ frequency, number of samples in which the species was found² abundance, number of individuals

(25, 30, 41, 46, 55); Palaearctic without N. Africa (2, 4, 24, 28 (including S. Asia), 65); West Palaearctic (8, 14 (including N. America and Australia), 19, 49, 50, 68, 72); Euro-Siberian (7, 36, 42, 45); European (32, 39, 43, 57, 58, 61, 64). A large number of species within the Palaearctic region are Mediterranean, in one way or another: Whole Mediterranean (3, 23 (including Iran), 63, 66, 69); East Mediterranean (12, 20, 47, 67); North Mediterranean including Iran (27) or Balkans (26, 54) or both (9, 11, 13, 56) or Yemen, Sudan, S. Africa (18); East and North Mediterranean (5, 62-including Balkans); Turano-Mediterranean

(48, 71, 73) or Turano-E.Mediterranean (37, 40). One endemic species (74) and another one limited to Iran and Turkey only (15) may expand further.

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