

SHORT COMMUNICATION

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M. Mirab-balou^{1*}, Kh. Nourollahi¹, J. Jamali². A NEW SPECIES OF THE GENUS *ANAPHOTHrips* (THYSANOPTERA: THRIPIDAE) FROM ILAM PROVINCE, IRAN. – Far Eastern Entomologist. 2014. N 273: 21-24.

Summary. A new grass-living species *Anaphothrips microptera* sp. n. (Thripidae: Thripinae) is described and illustrated from Ilam Province, Iran. A key to the Iranian species of the genus *Anaphothrips* is given.

Key words: Thysanoptera, Thripidae, *Anaphothrips*, taxonomy, new species, Manesht Mountain, Iran.

М. Мираб-балу^{1*}, Х. Ноуроллахи¹, Дж. Джамали². Новый вид рода *Anaphothrips* (Thysanoptera: Thripidae) из провинции Илам, Иран // Дальневосточный энтомолог. 2014. N 273. С. 21-24.

Резюме. Из провинции Илам в Иране описан новый вид хortoфильных трипсов *Anaphothrips microptera* sp. n. (Thripidae: Thripinae). Приведена определительная таблица иранских видов рода *Anaphothrips*.

INTRODUCTION

The Thripinae is the largest of the four subfamilies in the family Thripidae (Thysanoptera: Terebrantia). In Iran this subfamily includes 119 species in 17 genera (Mirab-balou, 2013). The members of this subfamily live in flowers, on leaves; some species live in both habitats, and a few species are known as obligate predators (Mound & Marullo, 1996).

Anaphothrips is a genus of *Anaphothrips* genus-group with 79 valid species in the world (Thripswiki, 2014). In our sampling of thrips from Ilam Province (west of Iran) during 2012–2013, one undescribed species of this genus was collected from grasses in Manesht Mountains. This new species is described below and a key for identification of the species of *Anaphothrips* occurring in Iran is given also.

MATERIAL AND METHODS

Specimens were collected on grasses from Manesht Mountain, Ilam Province, Iran. In laboratory, thrips have been prepared and mounted on slides following Mirab-balou and Chen (2010b). All descriptions, measurements and photos were made with a Leica DM IRB microscope, a Leica MZ APO microscope with a Leica Image 1000 system. Type specimens are deposited in the collection of Department of Plant Protection, College of Agriculture, Ilam University, Iran (ILAMU).

ORDER THYSANOPTERA Family Thripidae Genus *Anaphothrips* Uzel, 1895

NOTES. Up to now only two species of this genus, *A. obscurus* and *A. sudanensis*, have been reported from Iran (Mirab-balou & Chen, 2010a, 2013; Mirab-balou *et al.*, 2013).

Key to Iranian species of *Anaphothrips*

- 1 Antennae 9-segmented *A. obscurus* (Müller, 1776)
– Antennae 8-segmented 2
2 Body color brownish yellow *A. microptera* sp. n.
– Body bicolored brown and yellow *A. sudanensis* Trybom, 1911

Anaphothrips microptera Mirab-balou, Nourollahi et Jamali, sp. n.

Figs 1–5

MATERIAL EXAMINED. Holotype – female, **Iran:** Ilam Province, Manesht Mt., on grasses (Poaceae), 10.V 2013, coll. M. Mirab-balou (ILAMU). Paratypes: 6 females, collected with holotype, data same as holotype (ILAMU).

DESCRIPTION. Female micropterous. Distended body length about 0.7 mm. Body yellowish brown, except antennal segment VI–VIII brown to dark brown (Fig. 1).

HEAD. Head 1.2 times as wide as long, projecting very slightly in front of eyes; head and pronotum without long setae. Head with transverse lines behind eyes; three pairs of ocellar setae, and three pairs of postocular setae present (Fig. 3). Compound eyes with 6 pigmented facets; ocelli absent. Maxillary palpi 3-segmented. Antennae clearly 8-segmented, with forked sense cones on antennal segments III & IV; segment II without microtrichia (Fig. 2).

THORAX. Pronotum 1.4 times as wide as long; weakly sculptured (Fig. 4). Mesonotum reticulate, with a pair of campaniform sensilla antero-medially, and a pair of small setae near posterior margin; metanotum reticulate with median pair of setae well behind anterior margin, campaniform sensilla present but far from each other (Fig. 5). Meso- and metafurcae both without spinula. Tarsi 2-segmented. Prosternal ferna almost undivided. wing lobe much shorter than thorax width.

ABDOMEN. Abdominal tergites with weakly sculpture medially, clear on tergite I; tergite VIII with complete posteromarginal comb of long slender microtrichia. Abdominal sternites without discal setae; sternite II with 2 pairs of posteromarginal setae, 3 pairs on sternites III–VII; sternite VII with median pair of setae arising in front of posterior margin. Ovipositor well developed.

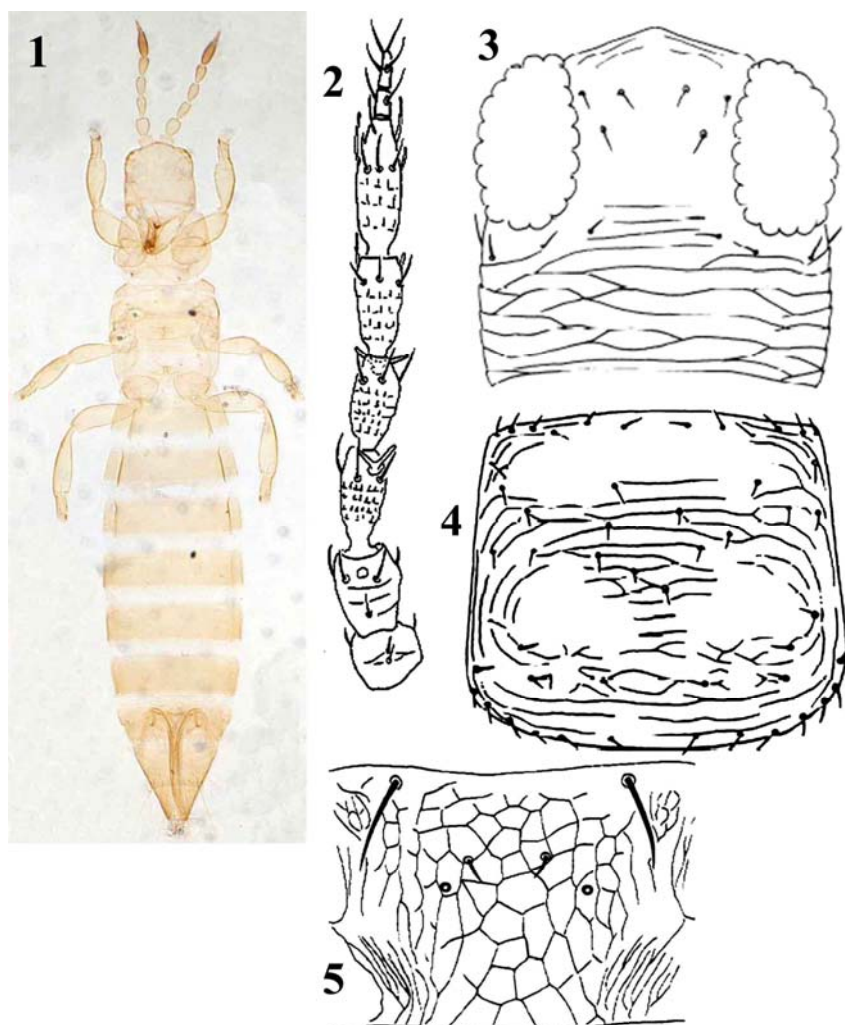
MEASUREMENTS OF HOLOTYPE FEMALE IN MICRON; LENGTH (WIDTH). Body 685; head 57(66); length of compound eyes 32. Pronotum 62(84). Fore wings 79(22). Median metanotal setae length 6, distance between median metanotal setae and anterior margin 14. Antennal segments I to VIII as follows: 8.6(13.7), 16(11.3), 17.5(8.3), 17.8(8.2), 18.5(8.9), 24(8), 4.2(3.1), and 7.4(2.4). Median setae on abdominal tergite I 7.3, II 8.5 and VIII 10.9; S2 on tergite II 8.7 and VIII 12. MD setae on tergite IX 9.6.

MALE. Unknown.

REMARKS. This new species is similar to *A. sudanensis* but it can be distinguished from the latter by the following characters: color of body brownish yellow (vs. bicolored in *sudanensis*), fore wings grayish brown with paler in apex and base (vs. pale with dark sub-basal band in *sudanensis*); antennal segment I yellow and II–IV brownish yellow (vs. antennal segments I–II brown and III–IV yellow in *sudanensis*); and body larger in new species.

ETYMOLOGY. New species is named after the short wing, micropterous form.

DISTRIBUTION. Iran (Ilam Province).



Figs. 1–5. *Anaphothrips microptera* sp. n., female. 1 – adult; 2 – antenna; 3 – head; 4 – pronotum; 5 – metascutum.

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