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SECOND SPECIES OF LARVAL BURSAUSTIUM HAITLINGER, 2000
(ACARI: ERYTHRAEIDAE) FROM IRAN

BY A. SABOORI

(Accepted December 2001)

ACARI, ERYTHRAEIDAE
BURSAUSTIUM
NORBAKHSI N.SP.,iran

SUMMARY: The larva of Bursaustium norbakhshi n.sp. (Acari: Erythraeidae) is
described from Shahrkord, Iran. This is the second species of Bursaustium that is
described in the world.

ACARI, ERYTHRAEIDAE
BURSAUSTIUM
NORBAKHSI N.SP.,iran

RÉSUMÉ : La larve de Bursaustium norbakhshi n. sp. (Acari: Erythraeidae) est
décrite de Shahrkod, Iran. Il s’agit de la deuxième espèce de Bursaustium.

Haitlinger (2000) described the new genus Bursaustium based on a larva collected from Turkey.
In this paper I describe the larva of Bursaustium norbakhshi sp. nov. from Iran. The terminology
and abbreviations are adapted from Weibourn & Jennings (1991). Measurements are given in micrometers.

Bursaustium norbakhshi sp. nov. (Figs. 1-9)

Holotype larva: Idiosoma 495 long by 218 wide. One eye 17 in diameter on each side of the crista
metopica, without ocular plates. Dorsum with ~154 setae ranging in length from 17 to 24 (Fig. 1). Scutum
absent. Trichobothria AM and SS with setules on distal half; AL, ML and PL bear long setules (Fig. 6).
Crista metopica distinctly visible.

Ventral surface of idiosoma with one pair of barbed sternala 1a and 4 barbed setae between coxae I
and II; sternala 2a between coxae II; between coxae II and III with 89 barbed setae; between coxae III with 8
barbed setae; behind coxae III, 54 barbed setae (Fig. 2). NDV = 154 + 155 = 309. Coxae I-III each
with 1 barbed seta. Dorsal, ventral and leg setae with long setules. Setules on median part of seta are longer
than others (Fig. 3).

Gnathosoma with nude adoral seta and barbed subcapitular setae (Fig. 4). Cheliceral blade without
teeth. Palpal trochanter without seta. Palpal femur with 2 barbed setae. Palpgenu with 1 nude seta
(Fig. 5). Tibia with 2 barbed and a very fine conical setae. Tarsus with 3 nude and 2 barbed setae, 2 sole-
nidia and 1 eupathidium; palpal tibial claw entire (Fig. 4). Palpal setal formula: 0-BB-N-BBN-2B3N2
ωξ.

Leg setal formula: Leg I: Ta-1ω, 2ζ, 19B; Ti-2φ, 1κ, 11B; Ge-1ε, 1κ, 11B; TFe-5B; BFe-3B; Tr-1B (Fig. 7).
Leg II: Ta-1ω, 1ζ, 21B; Ti-2φ, 11B; Ge-1ε, 1κ, 9B; TFe-5B; BFe-3B; Tr-1B (Fig. 8). Leg III: Ta-1ζ, 21B;
Ti-1φ, 11B; Ge-1ε, 9B; TFe-5B; BFe-3B; Tr-1B (Fig. 9). Microseta on Ti I large and thick. Microsetae on
Ge I & II fine.

IP = 237 + 202 + 244 = 683 holotype.

1. Department of Plant Protection, College of Agriculture, Tehran University, Karaj, Iran; E-mail: saboori@chamran.ut.ac.ir &
saboori2000@yahoo.com

FIGS. 1-6: *Bursaestium norbakhshi* sp. nov. larva. 1. — Idiosoma, dorsal view. 2. — Idiosoma, ventral view. 3. — Dorsal idiosomal seta. 4. — Gnathosoma, ventral view (adoral seta (right) not shown). 5. — Palp, dorsal view. 6. — Crista metopica.
Measurements are given in table 1.

Etymology: This species is named in honour of the collector, Mr. HABIBOLLAH NORBAKHSH, M. Sc. in Acarology, Plant Pests and Diseases Research Institute (Shahrkord, Iran).

Remarks: B. norbakhshi is similar to B. gaspari Haitlinger, 2000. It differs from B. gaspari by fn Ta (19-21-21 v.s. 13-13-17), fn Ti (11-11-11 v.s. 11-10-10), fn Ge (11-9-9 v.s. 11-8-8), fn TFe (5-5-5 v.s. 4-4-4), fPp (0-BB-N-BBN-2B3N2w~ v.s. 0-BB-N-NN-5Nw~), shorter leg I (237 v.s. 296), leg II (202 v.s. 252), leg III (244 v.s. 296) and IP (683 v.s. 844).

Material examined: Holotype larva (ARS-20010606-1), Iran, Shahrkord, H. Norbakhsh, 20 June 1992, free-living on wheat. Holotype is deposited in the Acarological Collection, Department of Plant Protection, College of Agriculture, Shahid Chamran University, Ahwaz, Iran.

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