SCIENTIFIC NOTE

Aculops awadi, a replacement species name for Aculops acaciae Abou–Awad & Elsawi (Prostigmata: Eriophyidae)

Ashraf El–Halawany
Fruit Acarology Dep., Plant protection Research Institute, ARC, Dokki, Giza, Egypt 12618.

Aculops awadi nom. nov.

Abou–Awad & Elsawi, 1993, described Aculops acaciae from a sample Acacia nilotica (L.) Delile (Fabaceae) collected in Egypt. The name A. acaciae is preoccupied by a species previously described by Aculops acaciae (Ryke & Meyer, 1960) which described with name Vasates acaciae Ryke & Meyer, 1960 (Meyer & Ueckermann, 1990), vagrant on leaves Acacia karrow Hayne (Fabaceae). A replacement name for the eriophyoid mite A. acaciae Abou–Awad & Elsawi, 1993 becomes necessary.

According to Abou–Awad & Elsawi, 1993 Aculops awadi nom. nov., this species can be distinguished by the characteristics: prodorsal shield subtriangular, with prominent anterior lobe and slight two shoulders of broken lines anteriorly. Shield obscure, with sinuate complete admedian lines, converging anteriorly and posteriorly but meeting posteriorly, with cross faint lines anteriorly. Scapular tubercles on rear shield margin directed setae backward; coxae plate with faint dashes; opisthosoma with 65 smooth dorsal semiannulus and 74 ventral semiannuli with round microtubercles on rear annuli margin; with 4 longitudinal subdorsal waxy ridges beginning below the dorsal tubercles and running the entire opithosoma length; genital coverflap with 16 longitudinal ribs; tarsal empodium 7–rayed.

Host plant: Acacia nilotica (L.) Delile (Fabaceae).

Relation to the host plant: The mites individuals inhabit among flowers. Due to infestation flowers turn yellowish and show few deformation growth.


 However, Aculops acaciae (Ryke & Meyer, 1960) according to Myer & Ueckermann, 1990, characteristic by prodorsal shield triangular, with a sharply pointed, narrow lobe, unornamented, consists of obscure admedian lines, opisthosoma with 33 smooth and 50 ventral semiannuli with round microtubercules; tarsal empodium 7-rayed.

Host plant: Acacia karrow Hayne (Fabaceae).

Relation to the host plant: vagrant on leaf.

Locality: Potchefstroom University Campus, Potchefstroom, Transvaal, South Africa.

I propose to replace the name of mite species with Aculops awadi nom. nov. This species was name awadi is in honor of the Emeritus Prof. Dr. Badawi Abou–Awad Plant Protection Dep., National Research Center, Dokki, Egypt.

REFERENCES


