

THE CASSAVA MITE COMPLEX. III - NEW DISTRIBUTION
RECORDS, MAINLY FROM COLOMBIA AND AFRICA.
REFERENCES TO OTHER PLANTS.*

CARLOS H.W. FLECHTMANN **

RESUMO

O complexo dos ácaros da mandioca.
III. Novos dados referentes à sua
distribuição, principalmente da Co-
lômbia e África. Referências a ou-
tras plantas.

Uma lista de novas referências e
ocorrências para ácaros tetraniquí-
deos da mandioca é apresentada.

In addition to the reference presented in instal-
ments nos. 1 and 2 of this series (FLECHTMANN, 1977,
1981), the following references to species of spider

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** Departamento de Zoologia, E.S.A. "Luiz de Queiroz",
USP.

mites (Acari. Prostigmata, Tetranychidae) from cassavas (*Manihot esculenta* Crantz, Euphorbiaceae) were found:

1. *Tetranychus desertorum* Banks, 1900 - Techn. Bull. U.S. Dept. Agric. Div. Entomol. 8: 76.

Collected in Piracicaba, São Paulo, Brasil on cassavas (PASCHOAL, 1968).

2. *Tetranychus escolasticae* Paschoal, 1970 - An. Esc. Sup. Agric. "Luiz de Queiroz", Piracicaba, SP, 27: 440.

Collected at Coronel Oviedo, Paraguay, from *Manihot utilissima* (PASCHOAL, 1968).

3. *Oligonychus gossypii* (Zacher, 1920) - Ztschr. angew. Entomol. 7: 183.

Reported from Colombia (Bellotti *et alii*, 1982) on the upper leaf surface of mature cassava leaves where the red mites live between abundant webbing. No damage ascertained.

GUTIERREZ & ETIENNE (1981) report this species from cassavas (manioc) in Ziguinchor, Sênégal.

4. *Eutetranychus banksi* (McGregor, 1919) - Proc. U.S. Nat'l. Mus. 56(2303): 644.

Reported from Colombia; small populations on the upper leaf surface of cassavas. No damage was observed (BELLOTTI *et al.*, 1982).

5. *Eutetranychus monodi* André, 1954 - Bull. Inst., Fr. Afr. Noire, Sér. A, 16: 859.

GUTIERREZ & ETIENNE (1981) reported this species from cassavas in Ziguinchor, Sênégal. The greenish mites live on the upper leaf surface.

6. *Allonychus brasiliensis* (McGregor, 1950) - Amer. Midl. Natur. **44**: 318.

BELLOTTI *et al.* (1982) list this species from cassavas in Colombia. The dark red mites live and feed on the upper leaf surface where they produce some webbing. Consequently, the leaf lobes are curved upward.

7. *Aponychus schultzi* (Blanchard, 1940) - Rev. Fac. Agron. La Plata **3**(2): 24.

A small population of this species was observed on the upper surface of mature leaves on fully grown plants of cassavas in Colombia (BELLOTTI *et al.*, 1982).

8. *Atrichoproctus uncinatus* Flechtmann, 1967 - Doctoral Thesis, Esc. Sup. Agric. "Luiz de Queiroz", Piracicaba, SP: 39.

These dark red mites were found on the upper surface of developed cassava leaves in Colombia (BELLOTTI *et al.*, 1982).

9. *Oligonychus thelytokous* Gutierrez, 1977 - Cah. ORSTOM, sér. Biol., **12** (1): 67.

This is a upper leaf surface feeder; the females are red in colour. Collected from *Manihot utilissima* Pohl at Port-Laguerre, Nouvelle Calédonie (GUTIERREZ, 1977).

From material recently collected in Africa the following new records were obtained:

1. *Mononychellus tanajoa* (Bondar, 1938) - Rev. Entomol. Brasil. **9**(3,4): 44.

Collections of this mite species from cassavas were submitted by H.R. Herren from Nampula, Moçambique; by R.D. Hennessey from Gandajika and M'Vuazi, Zaire, and, by W.R. Ingram from Serere Research Station, Uganda.

2. *Mononychellus progressivus* Doreste, 1981 - Bol. Entomol. Venez., 1(10): 123.

This species was collected on new cassava leaves in N'Toum, Gabon (specimens submitted by E.W. Baker) and in Ogun State, Nigeria.

3. *Oligonychus gossypii* (Zacher, 1920).

This species was collected from median to old leaves of cassavas in Ogun State, Nigeria; from *Manihot glaziovii*, *M. esculenta*, *Ixora coccinea*, *Terminalia* sp., *Cassia* sp., *Colocasia antiquorum*, and *Securinega virosa* at IITA, in Ibadan, Nigeria. The red mites live on the upper leaf surface causing discoloration to *Manihot* and *Colocasia* leaves and intense bronzing on *Ixora* and *Terminalia* leaves.

4. *Eotetranychus ancora* Baker & Pritchard, 1960 - Hilgardia 29(11): 4.

This species was collected from *Trema guineensis* in Ibadan, Nigeria. The greenish mites produce only a small amount of webbing and live on the leaf lower surface causing slight bronzing. *E. ancora* was only known from the type species from Mauritius where it was collected from apple leaves.

5. *Eotetranychus monodi* André, 1954.

This species is reported for the first time from Nigeria; it was collected from *Trema guineensis* in Ibadan.

6. *Tetranychus neocaledonicus* André, 1933 - Bull. Mus. Nat'l. Hist. Nat., Paris, sér. 2, 5: 302.

This species, widespread in Africa, was collected from median leaves of cassavas at IITA, Ibadan, Nigeria.

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