

Additional characters for the identification of *Anopheles (Anopheles) veruslanei* Vargas, 1979.

Key words: *Anopheles, veruslanei*, Mexico, Belice, Guatemala.

Anopheles (Anopheles) veruslanei was described from a female and samples collected in the Quintana Roo state, Mexico. For a rapid identification of the females of this species, the following characters should be looked for: wing with a mix of yellowish and dark scales; lateral tufts of dark scales starting from the third abdominal segment; also they are covered with wide scales of clear color. The posterior tarsus have dark areas and small yellowish spots, at least on segments 3,4 and 5.

In the southeast region of Mexico, in Belice and Guatemala, the species that show more affinity are the following species of the genus *Anopheles* and subgenus *Anopheles*: *apimacula*, *punctimacula*, *neomaculipalpis* and *mediopunctatus*. But the later has not been found in Mexico. *An. veruslanei* looks so similar to *An. (An.) apicimacula* that it might be possible to find in the collections of this species samples of *veruslanei*.

Morphological characters more noticeable that allows to distinguish between *An. (An.) apicimacula* and *An. (An.) veruslanei*.

Wing. In the costal border there is a large dark spot, quadrangular, located between the dark spot that covers the end of the branches 1 and 2 of the second longitudinal vein and the wide one in the apical extreme of the first longitudinal vein (see Komp).

Longitudinal veins without rows of scales wide, dark.

Third vein with four small spaces that interrupt the row of dark prominent scales.

Fourth longitudinal vein stem with four small spaces without prominent scales.

An. (An.) veruslanei Vargas, 1979.

Without the quadrangular spot already mentioned.

In the correspondent space there are only dark, scarce scales.

With noticeable prominent rows of dark scales. Third vein completely dark without clear spots. There are only 2 or 3 small spaces partially uncovered. Fourth longitudinal vein stem without clear spots.

Palpus. Fifth segment mostly dark; with a white basal ring and some clear scales in the apical extreme.

Fourth segment with a narrow clear basal ring. The third segment is black; it has a narrow clear basal ring.

An. (An.) veruslanei Vargas, 1979

Fifth segment dark in the middle basal, in the basal portion is yellowish and has a small dark spot.

Fourth segment completely dark.

Third segment all dark.

An. (An.) apicimacula Dyar and Knab, 1906

Posterior tarsus. Fifth segment with white rings in the base and the apex.

The remaining is black.

An. (An.) veruslanei Vargas, 1979.

Fifth segment yellow in the middle distal, where it shows a small dark spot,
not a ring.

