

BIOLOGICAL EFFECT OF THE ENTOMOPATHOGENIC FUNGUS *METARHIZIUM ANISOPLIAE* VARIETY *ACRIDUM* AGAINST THE HOUSE-MOSQUITO *CULEX PIPIENS*

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ABSTRACT

The effect of the entomopathogenic fungus *Metarhizium anisopliae* variety *acridum* on the *Culex pipiens* mosquito in the region of Régaïa (East Algiers) is reported for the first time in the laboratory conditions.

We treated the different instars larvae, pupae and eggs with different concentrations of the fungus solution C1=3.10³ spores/ml, C2=3.10⁴ spores/ml, C3=3.10⁵ spores/ml and C4=3.10⁶ spores/ml. The main values of mortalities were collected the first, the second and the third day after treatment.

The results showed that the *M. anisopliae* var. *acridum* is a promising biological pesticide against the *Culex pipiens* particularly on nymphs and eggs and it could be an alternative to chemical pesticides.

KEYWORDS: *Culex pipiens*, vecteur, Biologic Control, *Metarhizium anisopliae* var *acridum*