



# Culicidae fauna, biological control of dengue vectors and community participation in tropical countries

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GRIN Verlag Nov 2008, 2008. Taschenbuch. Book Condition: Neu. 210x148x3 mm. This item is printed on demand - Print on Demand Neuware - Bachelor Thesis from the year 2008 in the subject Biology - Ecology, grade: 1,3, University of Heidelberg (Fakultät für Biowissenschaften), 53 entries in the bibliography, language: English, abstract: Mosquito (Culicidae) fauna, biological methods to control Ae. aegypti larvae and community participation regarding the present dengue situation and vector control program were evaluated in Chulucanas district, Piura Department, Peru. The study included collection and identification of mosquito larvae in surrounding towns of and in Chulucanas city. Following mosquito species were found: Ae. aegypti, Ae. scapularis, Ae. serratus, An. albimanus, An. pseudopunctipennis, Cx. nigripalpus and Cx. pipiens quinquefasciatus. Two comparative residual effect tests with Bti-based Culinex Tab plus® and Temephos-based Temefar® 1%G were performed in large and small water volumes under laboratory conditions. In the tests with large water volumes, Temefar® 1%G and Culinex Tab plus® showed a residual effect of 9 weeks (100% and 75% mortality, respectively), and, in tests with small water volumes, a residual effect of 7 weeks (100% mortality for both larvicides). Three efficacy tests performed with Culinex Tab plus® at three houses in Chulucanas...

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