

Abstract

We found there were 4 species of rodentia in Kimen area: *Rattus flavipectus*?? *R. rattus*?? *R. norvegicus* and *Mus caroli*, beside, we found another insectivora animal- *Suncus murinus*. The total mouse trap rat were 28.11%, maximal population was *Rattus flavipectus*, about 91.67%, the second was *Suncus murinus* (57%). *Rattus flavipectus* was the dominant species in wild field. On chigger mite identification, we found 5 genus 8 species in 12,876 mites. The species and rate of population were *Leptotrombidium deliense* (64.81%), *L. scutellare* (26.64%), *Walchia chinensis* (7.32%), *L. yui* (0.61%), *Odontacarus majesticus* (0.40%), *Ascoschoengastia indica* (0.08%), *Helenicula* sp. (0.07%) and *L. imphalum* (0.02%)??We use minimum infection rate(MIR) to present the infective condition in chigger mite, August, November, December in 1999 the MIR of chigger mite were 1:250, 1:70 and 1:167, June 2000 the MIR of chigger mite was 1:75.

Key Word : tsutsugamushi disease 、 chigger mite 、 *Orientia tsutsugamushi* 、 PCR