

**EFFECT OF PYMETROZINE ON DEMOGRAPHIC STATISTICS OF  
DIAERETIELLA RAPAE (HYMENOPTERA: APHIDIIDAE)**

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Laboratory experiments were conducted to examine the effect of pymetrozine on life table parameters of the aphid parasitoid, *Diaretiella rapae* offered *Brevicoryne brassicae* hosts. Newly emerged male-female parasitoid pairs were offered 100 hosts daily until death. They were fed honey water and experiments were placed in an environmental chamber set at  $25 \pm 2^\circ\text{C}$  and 50% relative humidity. Exposure of parasitoids to pymetrozine led to a reduction in the net replacement rate,  $R_0$  from 25 to 8 female offspring /female. There was a reduction in the intrinsic rate of increase,  $r_m$  from 0.22 to 0.13 and an increase in doubling from 2 to 5 days. Pymetrozine did not affect the mean generation time. The stable age distribution shifted from young to an old population.