DURATION OF DEVELOPMENT AND LONGEVITY OF RAILLIETIA AURIS (LEIDY) AND R. FLECHTMANNI FACCINI, LEITE AND COSTA (ACARI: GAMASIDA).

R. S. DOS SANTOS' & J. L. H. FACCINI

(1) Fundação Pinhalense de Ensino, Faculdade de Medicina Veterinária, E.S. Pinhal, 13990-000, SP, Brasil; (2) Depo. Parasitologia Animal, UFRRJ, Km 47 da antiga Rio-S. Paulo, 23851-970, Seropédica, RJ, Brasil.

SUMMARY: In vitro reared Rallietia auris (Leidy) and R. flechtmanni Faccini, Leite and Costa completed their development in 78.3 ± 7.1 hours (males) and 68.7 ± 6.2 hours (females) and 89.4 ± 11.3 hours (males) and 74.0 ± 9.3 hours (females), respectively. Significant difference (P < 0.05) in the nymphal period accounted for the longer periods of males in comparison with females in both species and between species. Longevity of teneral adults, measured in days, were 20.5 ± 7.0 and 21.3 ± 7.3 for males and 21.1 ± 4.6 and 22.4 ± 7.0 for females of R. auris and R. flechtmanni, respectively (P > 0.05).

KEY WORDS: R. auris, R. flechtmanni, Acari, in vitro life cycle.