

SUMMARY

Biological life cycle and longevity of *D.gallinae* was studied, in laboratory conditions. Sixty adult females were used in a life cycle experiment. Oviposition begun at $45,2 \pm 11,3$ hours after a blood meal, and egg number for females was 4,3. Incubation time was $57,1 \pm 13,1$ hours, and viability of eggs are 88,1%. Larvae stage took $26,1 \pm 12,6$ hours and 96,1% of they were viable. Protonymphs molted to deutonymphs $29,2 \pm 15,8$ hours after a blood meal, and 89,1% were viable. Deutonymphs molt to adult stage $31,9 \pm 15,2$ hours after meal, and viability was 66,0%. A life cycle period adult-adult was 189,6 hours. The mites survived 68 days without blood meal. KEY WORDS: *Dermanyssus gallinae*, life cycle, longevity, biology, mite.