

عنوان مقاله:

Prevalence of Ectoparasites in Free-ranging Backyard Chickens of Sabzevar City, Iran

محل انتشار:

مجله میکروبیولوژی پزشکی و بیماریهای عفونی، دوره 8، شماره 3 (سال: 1399)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Introduction: One of the most important food sources of humans are poultry products. Poultry are irritated and losing blood by blood-sucking ectoparasites, which affect the quality and quantity of meat and egg production. **Methods:** This study was conducted on ۱۲۰ free-ranging backyard chickens from December ۲۰۱۷ to November ۲۰۱۸ to determine ectoparasites' prevalence in Sabzevar city, northeastern Iran. Different parts of the birds' bodies were examined, and ectoparasites were collected. The specimens were identified based on morphological features using diagnostic keys. **Results:** Of the ۱۲۰ (۳۰ males and ۹۰ females) free-ranging backyard chickens examined, ۷۵ (۶۲.۵%) showed infestation with three lice and one mite species. The prevalence of infestation was higher in females (۶۶.۶۷%) than males (۵۰%); however, the difference was not significant ($P > ۰.۰۵$). The louse *Menopon gallinae* was the most prevalent species (۵۷.۳۳%), followed by *Menacanthus stramineus* (۳۷.۳۳%), *Lipeurus caponis* (۱۳.۳۳%), and *Dermanyssus gallinae* (۴%). **Conclusion:** This is the first survey on determining the prevalence and multiplicity of ectoparasites among free-ranging backyard chickens in Sabzevar city, Iran. The high prevalence rate of ectoparasites among chickens shows that parasitic infection is prevalent in this area.

کلمات کلیدی:

Prevalence, Ectoparasite, Chickens, Iran

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