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Buenos Aires, Argentina

ABSTRACT BOOK

Edited by

Prof. Dr. Hasan EKİM

Dr. Nurlan AKHMETOV

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GASTROINTESTINAL HELMINTHS OF SMALL RUMINANTS IN HILLY AND MOUNTAINOUS PART OF SERBIA

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Abstract

The method of breeding, which has been established in breeding of small ruminants for centuries, is acquired through conditions that affect parasitic infections. From these reasons in mind, we started with examination of parasitic fauna of sheep and goat at various parts of Serbia. In our paper we presented results of examination performed in hilly and mountainous part of Serbia. In the relief of this part of Serbia we a series of surfaces stands out, above which rise low island mountains and wide valleys cut into the surface. Geographical and climatic conditions make this region rich in pastures suitable for breeding small ruminants. They are usually kept in small herds by rural households and spend most of the year grazing. During our research performed in period 2017-2019, total of 769 fecal samples originated from 71 sheep and goats flocks were collected individual at monthly intervals. A total of 67 animals we were analyzed by post-mortem examination. Determination of parasites eggs we performed by morphology characteristic We occurred same parasite species: *Teladorsagia* (*Ostertagia*) *circumcincta*, *Ostertagia* *trifurcata*, *O.ostertagi*, *O.occidentalis*, *Nematodirus* *filicoliis*, *N.spathiger*, *Trichostrongylus* *colubriformis*, *T.axei*, *T.vitrinus*, *Haemonchus* *contortus*, *Marshallagia* *marshalli*, *Cooperia* *curticei*, *C.punctata*, *C.oncophora*, *Skrjabinema* *ovis*, *Bunostomum* *trigonocephalum*, *Oesophagostomum* *venulosum* and *Chabertia* *ovina*. Poliparasitism and infection were established at all examined animals. The intensity of infection and polyparasitism was monitored in relation to the age of sheep and goats. It was found that in younger animals intensity of infection was lower than that of older animals. The infective rate of each of these parasites showed that the most of its followed the same general

pattern, having a peak in the spring and another in the autumn, separate by a trough during the hot dry summer period when the infection rate was low.

Keywords: small ruminant, goats, sheep, gastrointestinal helminth, hilly and mountainous part of Serbia