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SPECIES COMPOSITION AND DISTRIBUTION OF HELMINTHIASIS OF SHEEP IN THE RUSSIAN FEDERATION

Vladimir N. Domatskiy^{1,2,*}, Anna N. Siben^{1,2}

^{1*}*All-Russian Scientific Research Institute of Veterinary Entomology and Arachnology-Branch of Federal State Institution Federal Research Centre Tyumen Scientific Centre of Siberian Branch of the Russian Academy of Sciences (ASRIVEA-Branch of Tyumen Scientific Centre SB RAS), Tyumen, Russia;*

^{2*}*Northern Trans-Ural State Agricultural University, Tyumen, Russia;*

*Corresponding Author Vladimir N. Domatskiy, e-mail: domatskiyvn@gausz.ru;

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ABSTRACT

The paper presents the literature data on the distribution and species composition of helminths of sheep in different regions of the Russian Federation. On the territory of the Altai Republic, 3 species of trematodes, 7 species of cestodes, and 29 species of nematodes have been registered in sheep. The parasite complex of sheep of the Northern and Central Altai includes 10 genera and 5 genera are found in the sheep of the South-Eastern Altai. In the conditions of the Chechen Republic, intestinal strongylatoses of sheep are widespread everywhere (the incidence is 59.2%). It has been observed that in all the studied sheep farms of the lowland, foothill, and mountain zones of the republic, regardless of the sheep farming system, helminths of the following species are the most common *Haemonchus contortus*, *Nematodirus abnormalis*, *Nematodirus filicollis*, *Chabertia ovina*, *Bunostomum trigonocephalum*, *Ostertagia ostertagi*, *Oesophagostomum venulosum*, *Trichostrongylus axei*. It was found that in private farms the prevalence of invasion reached 65.7-91.1% and the intensity of invasion equaled 119.7±5.2-713.5±9.7 dicrocoelium eggs in 1 g of feces. The maximum level of prevalence and intensity was observed in sheep of 2-3 years of age and in some farms reached 86.3-91.1% and 547.9±8.1-713.5±9.7 helminth eggs in 1 g of feces, respectively.

Key words: Sheep, Helminths, Distribution, Species composition, Extent of invasion