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ABSTRACT BOOK

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forest regeneration with seeding way. We think only multiple seed regeneration of the forest provides early-growth, multisteped uneven layering natural stands of the tape hog. The self-sown a forest of different ages form in a result of the process.

Key words: *forest plantations, structure of the canopy, forest stands, yielding seed culture of pine, tape hogs.*

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BIOLOGICAL DIVERSITY OF UNGULATES (MAMMALIA, ARTIODACTYLA) OF THE ILE-ALATAU NATIONAL PARK

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Abstract

The article deals with the ungulates biodiversity of the national park - maral, Siberian roe deer, ibex, wild boar and argali. With the application of GIS technology for the first time it was carried out a typology of habitats or sites of these lands, as well as their qualitative assessment (valuation). The calculations of the optimal number of ungulates were given. The optimum number of maral, wild boar and ibex was higher than actual, and roe is below. The last one gives evidence of overcrowded population of this species, which requires the regulation of its number.

Key words: *biodiversity, maral, Siberian roe deer, ibex, wild boar, national park, optimal number, valuation.*

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POSSIBILITIES OF REDUCING THE QUANTITY OF WASTEWATER WHEN LOOSING STEAM BOILERS OF HIGH PRESSURE ON THERMAL ELECTRIC STATIONS

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Abstract

This work presented the possibilities of increasing quantity of by cattle under the high pressure on warm electric stations, and so increasing water for preparing reagents increasing ecologic process of preparing auxiliary water for air cattle of high pressure on TES. In order to reduce acidic and alkaline run-off from the desalination of the initial water, solutions of sulfuric acid after the cation exchangers of the second stage of H₁ and alkali after the second stage A cyanide filters are collected in special tanks during the regeneration process and sent to the regeneration of cation and anion exchanger filters of the first stage of H₁ and A₁. And this several times reduces the cost of water for the preparation of reagents, and, naturally, the reagent costs and the economic costs of the preparation of additional water for drum high-pressure steam boilers at TPPs are reduced.

Key words: *water treatment plants, thermal power plants, ion-exchange filters*

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