

MODERN STATE OF TREATMENT OF INCUBATION EGGS OF BIRD BY DISINFECTANTS

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The primary purpose of incubation of eggs consists in a receipt as many as possible healthy and standard to the sapling of bird.

Aim of work – to conduct the analysis of registered in Ukraine of disinfectants for treatment of incubation eggs, to define efficiency of new compositions of disinfectants, made on the basis of modern nanotechnologies.

The article provides a list of disinfectants, as well as the composition and mode of their application for treatment of incubation eggs. In Ukraine, there are 26 names of DZ for processing incubation eggs, including 19 (73 %) of domestic and 7 (27 %) of imported production.

The declared composition of the disinfectants for processing incubation eggs includes 29 names of OS in different ratios, namely from one component to five components. In the formulation of disinfectants for the decontamination of incubation eggs, various chemical compounds are used: peroxide compounds, acids, aldehydes, quaternary ammonium compounds having bactericidal, virilidic and fungicidal effects.

The most common chemical compounds in registered disinfectants are: dedecyldimethylammonium chloride – 26 %, alkyl dimethylbenzylammonium chloride – 22 %, polyhexamethyleneguanidine hydrochloride – 22 %, hydrogen peroxide – 15 %.

Disinfectants developed on the basis of modern nanotechnologies (silver-selenium and iodine-selenium) are environmentally safe, non-toxic, highly effective for disinfecting incubation eggs and obtaining healthy conditioned young birds.

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