

IMMUNOLOGIC RESPONSIVENESS OF THE TURKEYS' ORGANISM UNDER TECHNOLOGICAL STRESS AND ITS CORRECTION

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Processes, the main pathogenetic link of which are the violations of the body's immune system, occupy a significant part in the structure of bird's disease. This is especially acute in the period after vaccinations and revaccinations, when bacterial infections occur on the background of weakening of the general resistance.

For the purpose of minimization the using of antibacterial drugs and control the immune status of bird and for the normal functioning of the organism with the intensification of cultivation technologies is recommended to use immune-correctors. The article presents the results of research the age dynamics of changes in hematological, biochemical and immunological indicators of the turkey organism in the conditions of using the immune-modulator "Biovir" and hepatoprotector "Gepaforte" for the influence of the abiotic factors. It was presented the analysis of artificial active immunity of turkeys for the administration of Newcastle disease vaccine and infectious rhinotracheitis vaccine. It was established that the using of the immune-modulator "Biovir" helps to decrease the coefficient of variation and increase the homogeneity of antibody production in vaccinated turkeys.

It was revealed that the complex application of the immune-modulator and hepatoprotector contributes to the increase of bactericidal and lysozyme activity of the serum, while regulating the specific cell and humoral immunity.

Pathologistological changes in the cloacal sac for the using of the immunomodulator "Biovir" indicate about moderate immunologic responsiveness with the stimulation of the plasma cells' production in the organ and the regulation of the number of T and B-lymphocytes.

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