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EXPERIMENTAL INFLUENCE OF LAKTINA® PROBIOTIC ON EGG LAYING CHARACTERISTICS, FERTILITY AND VIABILITY IN MUSCOVY DUCK (CAIRINA MOSHCATA)

ВЛИЯНИЕ НА ПРОБИОТИК ЛАКТИНА® ВЪРХУ НОСЛИВОСТТА И ОПЛОДЕНОСТТА И ЛЮПИМОСТТА НА ЯЙЦА ОТ МУСКУСНА ПАТИЦА (CAIRINA MOSHCATA)

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ABSTRACT

The effect of Laktina® probiotic on some major characteristics of the reproduction capacity of Muscovy duck (White variety) has been studied. The experiment was carried out with 96 ducks in their first reproduction season, distributed into an experimental and a control group of equal numbers. The combined forage for feeding the experimental group contained 500 g/t of the tested probiotic. The following characteristics were studied: egg production, egg weight, fertility and viability (hatchability of fertile eggs).

It was established that the average egg production (93.91 versus 67.88 eggs per duck) and the egg-laying intensity for the period (45.92 versus 34.63 %) were in favour of the group receiving probiotic, the advantage being statistically significant ($p < 0.001$) and sustainable throughout the season. The advantage of 2.33 g in the egg weight ($p < 0.001$) of the control group was explained by the significantly increased laying capacity of the ducks from the experimental group.

No effect of Lactina probiotic was established on egg fertility and viability.

KEY WORDS: Muscovy duck, probiotics, egg laying characteristics

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