

CHRONOLOGICAL DYNAMICS OF SEVERAL REPRODUCTION PARAMETERS OF SHAGYA ARABIAN BROODMARES

C. Pânzaru¹, R.M. Radu-Rusu¹, M.A. Davidescu¹, M.G. Doliș¹

¹Faculty of Food and Animal Sciences, Iasi University of Life Sciences, Romania
e-mail: mariusdolis@uaiasi.ro

Abstract

A total of 1,110 cases of Shagya Arabian broodmare gestation, from the Rădăuți National Stud farm, were subject to analysis. The aim was to assess whether the 30-year breeding management provided optimal conditions for this breed to express its genetic potential. Consequently, it was necessary to assess the incidence of abortions, along with fertility percent. The results revealed that the average gestation length for each year within the study ranged from a minimum of 331.27 ± 0.30 days to a maximum of 340.48 ± 0.62 days. Abortion rates were found to vary between 0% and 12.90%, while fertility percentages fluctuated between 59.67% and 95.12%. To enhance these parameters, it is recommended primarily to improve the maintenance system for the mares, enhance the quality of their feeding, and consider adjustments to the breeding system. These measures are intended to reduce abortion rates, increase fertility percentages, and decrease foaling intervals.

Key words: Shagya Arabian, gestation, abortion, fertility