

REPRODUCTIVE PERFORMANCE OF SHAGYA ARABIAN BROODMARES AT THE RĂDĂUȚI STUD FARM

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Abstract

The quality of biological material and reproductive performance represents a constant focus in stud farm management. In this study, a group of 19 Shagya Arabian mares was monitored and evaluated for key reproductive traits. These females, promoted to broodmare status from the 2016–2018 generations, were part of the nucleus herd at the Rădăuți Stud Farm. The results showed that the mean age at first breeding was 1432.05 ± 22.49 days, while the mean age at first successful mating was 1397.53 ± 107.63 days. Gestation length, depending on the number of foalings, ranged from 337.08 ± 8.95 days to 347.20 ± 28.02 days. The average service period and foaling interval were 184.92 ± 251.00 and 367.08 ± 170.14 days. These findings are generally consistent with data reported in the scientific literature, as well as with values previously recorded in broodmares from earlier generations.

Key words: broodmares, equines, reproduction, stud farm, performance