

STUDY OF PRODUCTIVE AND REPRODUCTIVE FEATURES IN COWS OF ROMANIAN BLACK SPOTTED BREED GROWN IN PARTICULAR HOLDINGS OF THE ROMANIAN NORTH-EAST TERRITORY

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Abstract

The research was performed on a group of 175 cows, Romanian Black Spotted breed, grown in multiple private holdings in the North East territory of Romania, and investigate the most important productive and reproductive indices. Therefore, was tracked quantitative and qualitative production of milk in the first lactation, body growth in second lactation, the age at first calving (VP), respectively the dry period (RM), calving interval (CI), service period (SP) and their evolution in the successive lactations (from I to VI).

In the first lactation the results reached an average production of 4250 kg milk with 3.85% fat and 3.26% protein, with a higher variability. In the succession of six lactations analysed, the dry period ranged between 76.2 days in lactation III, and 85.4 days in lactation IV, with a very high variation's coefficient (52.6%), indicating a poor homogeneity of this character. Analysing the calving interval (CI), it highlights range from 409.5 days in lactation III to IV, and 435.6 days between first and second lactation, with an average variability.

The values of the principal reproduction indices - age at first calving (VP), dry period (RM), calving interval (CI), service period (SP) - shows a poor state of reproductive activity being closely correlated with exploitation technology and reproduction management applied.

Key words: Romanian Black Spotted, cattle, productive, reproductive indices