

THE EFFECT OF CROSSING THE CARPATINA BREED WITH THE BOER BREED FOR THE QUANTITATIVE AND QUALITATIVE IMPROVEMENT OF THE MEAT PRODUCTION IN GOATS

C.-I. Neacșu, A.-G. Vartic, P.-G. Vicovan, R. Radu,
C.-Z. Zamfir, A. Enciu, A. Nicolescu, O.-C. Dordescu

*Research and Development Institute for Sheep and Goat Breeding-Palas-Constanța,
Romania*

Abstract

In Romania there are few studies on increasing the production of meat in goats through hybridization, these works being carried out within I.C.D.C.O.C. Palas Constanta. The present study aims to show the advantages of crossbreeding of the Carpatina breed with the Boer breed in terms of all morpho-productive indices, the aim being to create an autochthonous breed of goats specialized for meat production, well adapted to the conditions in our country. In this regard, this paper aims to study the main morpho-productive indices of the newly created population (75% Boer x 25% Carpatina) within the institute, compared to the Carpatina breed. The main breeding indices (fecundity, prolificity) were higher in the R₁ with 2.69 and 23.1 percentage points respectively compared to the Carpatina breed. Body weight of bucks and goats in the new population R₁ (75% Boer x 25% Carpathian) was higher by 44.02% and 9.72% respectively compared to the Carpatina breed. The average daily gain achieved by the kids during the fattening period was 123.56-172.75 g, higher by 39.8% at the R₁. Also, the Daily ingest of dry matter was higher by 19.91% for the R₁ compared to the Carpatina. In terms of feed conversion, the best conversion was made by the hybrids R₁ with 167g increase for 1kg of D.M. ingested, while in the group of Carpatina kids, the conversion was 144g for 1kg of D.M. ingested. In the two groups of fattened kids, the compactness index of the gigot and the muscularity index of The gigot had the value at the R₁ of 83.19% respectively 240.5% compared to only 66.44% respectively 177.21% in the group of Carpatina kids. The slaughter yield was 42.29-50.40%, being higher by 8.11 percentage points in the group of R₁ (75% Boer x 25% Carpatina breed).

Key words: goats, meat, Boer breed, Carpatina breed