

Evaluation attempt of interrelation between two bonitation systems of half-blood stallions and quantitative parameters of their jumps under a rider

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Observations included 291 half-blood stallions, which were divided into the following groups according to their breeds: Polish Noble Half-Blood – 148 stallions, Wielkopolska – 55, Małopolska and Anglo-Arab – 43 and foreign half-bloods – 45, which were trained in the Training Centre in 2001-2003. Stallions were tested for their jumping predispositions on a series of obstacles placed in compliance with a so-called 100-day test. Stallions with riders did the obstacle course 5 times, the last one heightened from 90 cm to 110 cm doublebarre. Jump length and index were analysed and they were set against two conformation systems of stallions, own bonitation and the one used by PZHK, by means of simple correlations. The above estimation of interrelations between analysed conformation and production traits enables us to formulate the following suggestions:

- by using own bonitation method, clear differentiation of levels was proved as well as character of interrelations between conformation traits and jumping capacity of half-blood stallions depending on their breed;

- using own method of conformation bonitation of horses allowed us to reveal a few times higher number of statistically significant correlation coefficients between conformation evaluation and jump parameters related to the results obtained using the PZHK method which indicates the necessity to analyse profoundly the to-date system of horse bonitation as well as its breeding significance.