

Training level comparative evaluation index in growing trotters – test study

S u m m a r y

An analysis of the relationship between biometric dimensions, conformation indices and an average level of exercise pulse in 80 young trotters during an initial stage of the race training allowed us to define the relevant indices (WTK – Trotter's Training Index) used in the comparative evaluation of their training level, depending on the speed achieved on the training racecourse. Verification of the results allowed us to state the following:

- values of variation coefficients – formulated with the particular consideration of output data (i.e. biometric dimensions and conformation indices, average values of exercise pulse and training speed). The values mentioned, used for defining WTK, emphasize onthogenic variation in this type of the pedigree horses suggesting their indispensability in evaluating trotters' training level;
- the index mentioned in this study (both in partial and total form) seems to assist the comparative analysis of trotters' training level – especially at the beginning of the racing season – which generally does not depend on considerable individualization of everyday workload;
- changes observed within the range of WTK total values along with the growing rate of trotters' movement emphasize specificity of this horse breed, which should provide an extra impetus for initiating such research on a larger scale.