

The Biometric Observation of the Pure Bred Arabian Population, Breeding in the Czech Republic

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In the Czech Republic are the arabian horses breeding in the three forms – as Shagya-arab, Full-blooded Arab and Pure Bred Arab (I was writing about this forms in the previous reports to EAAP). In connection with the successively typology analysis of Shagya-arabs was realised the similar investigation by Full-blooded Arabs (32). Obtain values of the body measurements was compared with the results from Janow Podlaski (Poland, JP) and Tersk (USSR, T). It was find out the statistical significant differences. The mares breeding in the Czech Republic are higher, but with lighter bone in comparison with the mares from Janow Podlaski. They have lighter bone and longer body size then the mares form Tersk. The sires form JP and T have bigger size of the thorax depth (statistical significant difference), but here is possible the subjective mistake of the measurations. At the same time was determined the network of the body building (by Dušek) and the hipometric indexes used in CZ and the results were compared with the datas from JP and T. In the rest of the CZ population we will continue with this analysis, because of using the results for specification and concrete of the breeding standard of the Full-blooded Arab.