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Ejaculate traits of boars used in insemination according to the breed and season

S u m m a r y

The investigations were carried out on the material consisting 28 562 ejaculates collected by manual method from 275 boars used for insemination. In the study all ejaculates collected from each boar from the beginning of the animals' reproductive performance were considered. Each ejaculate was evaluated using standard methods and estimating physical traits as follows: ejaculate volume, spermatozoa concentration, percentage of spermatozoa with proper motility, total number of spermatozoa per ejaculate and number of insemination doses per ejaculate. In autumn-winter season the ejaculates had the highest volume and the highest total number of spermatozoa. From the ejaculates received in this period, the highest number of insemination doses was obtained. In the conducted investigations it was demonstrated that the boars of studied groups were in similar degree sensitive to seasonal factor. The different seasonal trends of changes of physical traits of ejaculate were observed in boars of Duroc breeds.