# The variabilities in the quality of semen of German angora and China angora in summer and autumn

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ABSTRACT

An experiment was made from June to November in 1981. The average temperatures were 27.5°C and 12.6°C resp. at rabbitry in summer and autumn. 238 ejaculates were collected from 12 German angora and 10 Chinese angora bucks. The results obtained were summarized as following: The average semen volumes of German angora in summer and autumn were 0.53ml and 0.82ml resp.; sperm motility 26% and 43%; sperm concentration $2.56 \times 10^8$/ml and $2.14 \times 10^8$/ml; morphologically abnormal spermatozoa 31.9 % and 12.9 %. All of them, except sperm concentration, were most significantly different. The results suggest that semen quality in autumn was much better than that in summer, yet there were no significant differences in the indexes of semen quality of Chinese angora. By sperm motility 30 % or more is regarded as qualified semen. The percentage of qualified semen in autumn was higher than that in summer, but the proportions of qualified semen of Chinese angora were higher than that of German angora. As to appearance azoospermia, oligospermia and necrospermia in summer and autumn, the German angora were 50 % and 23.4 % resp., while Chinese angora were 27.03% and 17.31 % that were distinctively lower than that of German angora.

(Ref. 4, Tab. 4 )