

## **CORRELATION EXAMINATION BETWEEN THE BODY CONDITION AND BODY WEIGHT OF SAANEN GOATS**

**A TESTSÚLY ÉS A KONDÍCIÓ ÖSSZEFÜGGÉS VIZSGÁLATA SZÁNENTÁLI  
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We carried out our experiment in a livestock of Saanen goats devoid of infectious diseases. Today an average production of 2.0-2.2 kid/mother/year and 600-700 litre/milk/animal/year can be expected in the half intensive keeping. We analysed 29 mothers, each of them had kids in February of 2007. We measured the body condition and the body weight of the goats every month for six months. We tried to find the answer if the changes of body condition influences the changes of body weight, and if so, to what extent. We examined the connection between the two variables every month. To do this we made correlation calculation and regression analysis. Our results show that the change of the body weight depends only slightly on the change of the body condition. The value for the  $r^2$  changes between 0.08 and 0.123. However the trend shows that in case the body condition increases then the body weight also increases. The change of the monthly average values of body condition and body weight indicates the same tendency. If the body condition decreases then the body weight decreases as well, and vice versa. Based on this connection we counted that to reach 1 body-condition-point increase goes together with 8 kg-s of body weight increase.

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