

Some Factors Affecting In Growth Traits And Body Dimensions At Weaning Weight In Cyprus And Local Goats

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Abstract

This study was carried out in the station for ruminant research of the State Board for Agriculture Research, Ministry of Agricultural in Abu Ghraib (23 km west of Baghdad) for the period 1/5/2014 to 1/10/2014. The objective of the present study was to study of some effect factors in growth traits (birth, weaning weight and average gain from birth to weaning) and body dimensions at weaning weight (heart girth, body length and wither height) (breed, birth year, type of birth and sex of kid) in Cyprus and Local goat. The General linear model (GLM) within the SAS (2012) computer package was used to analyze the data. The study included 465 records for birth weight and 231 for weaning weight and average gain and 236 for body dimensions at weaning weight. The resulted showed that were non-significant effect at breed and sex in birth weight, while there factors were significant ($P < 0.05$) and highly significant effect ($p < 0.01$) on weaning weight and average gain except type of birth. Breed, season and age of doe were significant effect ($P < 0.05$) body length and wither height, while its highly significant effect ($P < 0.01$) on heart girth. Sex and type of birth were non-significant on body length and wither height, while its significant effect ($P < 0.05$) on heart girth.

Key words: growth traits, body dimensions, goat.