

41 BREED AND SEX INFLUENCES ON KIDDING WEIGHT AND WEANING WEIGHT IN GOATS

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The study was conducted to evaluate breed and sex influences on kidding and weaning weight in German Alpine, Anglo Nubian, and undefined breed (SRD) of goats, from Pendencia Experiment Station, Soledade, Paraiba, Brazil. A total of 92 observations were made for kidding weight and 57 for weaning weight. Kidding weight was similar for the German Alpine and Anglo Nubian (2.70 and 2.85 kg) and both were heavier than the SRD (2.41 kg). Birth weight of males was 2.74 kg and of females was 2.56 kg). German Alpine and Anglo Nubian herds (11.48 and 11.08 kg) were significantly heavier than the SRD (9.09 kg).

Key words: German Alpine, Anglo Nubian, and undefined breed (SRD).

42 VARIATION OF BIRTH AND WEANING WEIGHTS IN GOATS

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The work was conducted with 156 observations at birth and 136 at 112 days of age (weaning) on German-Alpine, Anglo-Nubian, and native type Without Defined Breed (SRD) breeds from Pendencia Experiment Station, in Soledade, Paraiba, Brazil. The objective was to study the influence of parturition upon these characteristics. The animals were raised in appropriated management, sanitary and feeding systems. German-Alpine and Anglo-Nubian breeds presented similar productive behavior, both significantly superior to SRD in terms of body development. The mean girth weight and weaning weight were 2.72 and 11.73 kg, respectively, for German-Alpine, 2.80 and 10.74 kg for Anglo-Nubian, and 2.31 and 9.91 kg for SRD. Animals from single and multiple parturition weighted 2.89 and 2.33 kg during birth, respectively, with significant difference of 0.56 kg. Weaning weights were 11.83 and 9.69 kg, with significant difference of 2.14 kg. Birth and weaning weights were positive and significantly correlated for the German-Alpine breed ($r = + 0.3052^{**}$), Anglo-Nubian ($r = + 0.4803^{**}$), and SRD ($r = + 0.3842^{**}$), indicating that the heavier animals during birth tend to be heavier at the weaning.

KEY WORDS: Anglo-Nubian, German-Alpine, native type, body development.