

Leather Quality of Some Sudan Goats under Range Condition

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Abstract : This study was designed to investigate the effect of breed and feeding level before slaughter on the skin\leather quality of the three main breeds of Sudan goats. Thirty (30) pieces of fresh skins from the three goat breeds (an average age 1-1.5 years) were chosen for the study purpose. For whole variations between the three breeds in two levels of feeding (poor and rich pastures) Complete Randomized Design (CRD) was used for data analysis. The results revealed that, leather weight (kg), elongation%, tensile strength (kg/cm²), cracking load (kg), thickness (mm), tear load (kg/cm) and chrome% findings were significantly affected ($P \geq 0.05$) by breed variation. Flexibility, moisture%, Ash% and fat % were not significantly affected ($P \geq 0.05$) by breed. On the other hand, skin weight (kg), Cracking load (kg), Tear load (kg/cm) and Ash% were significantly affected ($P \geq 0.05$) by pasture quality. While Leather Elongation%, Tensile strength (kg/cm²), Thickness (mm), Flexibility, Moisture%, Fat % and Chrome% were not statistically ($P \geq 0.05$) affected by pastures quality.

Keywords : skin\leather quality, goats leather, natural pasture, Sudan

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