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Effect of altered ambient temperature through shelter modifications on physiological indicators of Malpura lambs reared in semi-arid region during winter

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Abstract

Microclimatic factors are of crucial aspect for the welfare of animals. Therefore, a study was conducted to assess the effect of altered ambient temperature through shelter modifications on physiological indicators of Malpura lambs reared in the semi-arid region during winter. Twenty-one Malpura lambs of 3 to 5 week age and average body weight 9.97 ± 0.51 kg were used in the present study. The lambs were divided into three groups (eg. G1, G2, and G3) and were kept in the different microenvironment by manipulation of shelter design. The G1 lambs were maintained at lower minimum temperature ($8.59 \pm 0.71^\circ$ C) in asbestos roofed shed, while G2

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