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动物生产层

饲喂苜蓿干草对越冬母羊体质量增加及日粮消化率的影响

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摘要: 本研究分析饲喂苜蓿 (*Medicago sativa*) 干草对越冬母羊体质量增加和日粮消化率的影响。从5组 (SA1、SA2、SA3、SA4、SA5) 暖季放牧母羊中各选取18只健康母羊, 随机分为对照组和试验组, 每组9只, 对照组和试验组平均体质量差异不显著 ($P>0.05$)。对照组不使用苜蓿干草, 试验组中苜蓿干草占日粮干物质的比例为11.4%~17.1%。结果表明, SA2、SA3、SA5试验组使用苜蓿干草提高日粮粗蛋白含量并保持适宜的能量蛋白比[消化能 (MJ) : 粗蛋白 (g) 为 (1.06~1.08) : 10], 可使越冬母羊不掉膘并降低日粮成本。试验组日粮的粗蛋白和中性洗涤纤维消化率均高于对照组, 而干物质消化率均低于对照组。

关键词: 苜蓿干草 母羊 消化率

Effects of alfalfa hay addition on body weight gain and diet digestibility of ewe over wintering

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Abstract: Effects of alfalfa hay addition on body weight gain and diet digestibility of ewe over wintering was studied. Eighteen healthy ewes selected from each treatments (SA1、SA2、SA3、SA4、SA5) of warm season grazing were equally divided into experimental group and control group. Average body weight of experimental group and control group were not significant ($P>0.05$). Alfalfa hay was not used in control group, but its ratio to dry matter of diet in experimental group varied from 11.4% to 17.1%. The results indicated that in SA2, SA3, SA5 treatment, ewes in experimental groups did not lose body weight and the cost of diet in experimental group was lower than that in control group, due to the higher CP content of diet by using alfalfa hay and moderate ratio of digestible energy and CP[(1.06 MJ : 10 g)-(1.08 MJ : 10 g)]. CP and NDF digestibility of diet in experimental group were higher than those in control group, while DM digestibility of diet was opposite.

Keywords: alfalfa hay ewe digestibility

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