

日粮中添加高微量元素苜蓿青干草对杜泊羊生产性能的影响

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摘要:

通过在杜泊羊的日粮中添加5%~15%的高硒、高硒钴、高硒钴锌以及高硒钴锌铁4种苜蓿Medicago sativa青干草, 研究对杜泊羊的采食性能、日增质量和饲料转化等方面的影响。结果表明, 和添加普通苜蓿青干草相比, 4种苜蓿青干草在添加量为5%~10%的情况下, 均能在不同程度上提高羊日增质量, 有利于饲料的转化与利用, 并且饲喂安全, 无副作用。其中添加15%高硒钴锌苜蓿青干草效果最好, 日增质量比对照提高了59.4%, 饲料转化率(30.72%)比对照提高了59.8%; 在日粮中添加10%的高硒钴锌铁苜蓿青干草, 效果接近前者, 日增质量比对照提高了58.0%, 饲料转化率(27.88%)比对照提高了44.7%。

关键词: 日粮; 微量元素; 苜蓿; 杜泊羊; 生产性能

Effects of alfalfa hay with high trace element content on growth performance of Dorper sheep

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Abstract:

The effects of diets added 5% to 15% of 4 different kinds of alfalfa hay (high contents of Se, Se Co, Se Co Zn, Se Co Zn Fe) on intake, daily gain and feed conversion rate of Dorper sheep were studied. The results showed that all diets could enhance daily gain and feed conversion efficiency without harmful side effects compared with common alfalfa hay. In which, the alfalfa hay with higher Se Co Zn content showed the best effect on daily gain and feed conversion efficiency when it was supplemented by 10% in the diet and the daily gain and feed conversion efficiency were increased by 59.4% and 59.8% respectively. The alfalfa hay with high content of Se Co Zn Fe also showed better effect on daily gain and feed conversion efficiency when it was supplemented by 10% in diet and the daily gain and feed conversion efficiency were increased by 58.0% and 44.7% respectively.

Keywords: diet trace element alfalfa Dorper sheep performance

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