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Title: Effect of creep-fed supplement on the susceptibility of pasture-grazed suckling lambs to gastrointestinal helminths

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**Effect of creep-fed supplement on the susceptibility of pasture-grazed suckling lambs
to gastrointestinal helminths**

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Highlights

- Suckling lambs are susceptible to gastrointestinal nematode (GIN) infections because of the slow development of their immune systems.
- The use of anthelmintics provides a pressure for selecting resistant genotypes in parasite populations
- So sustainable control strategies for sheep are required
- Protein supplementation in feed has been demonstrated to improve nutritional intake and enhance resistance to helminth infection in sheep

ABSTRACT: This study evaluated the effect of creep feeding a protein supplement on the susceptibility of suckling lambs to infection with gastrointestinal helminths. Male and female lambs were grazed on *Brachiaria* spp. pastures next to their mothers. Animals were allocated to one of two treatments: creep feeding (261 g/d) and control (no supplementation). The trial period was the suckling of lambs during two years of study: May-October 2013 and March-July 2014. Supplementary creep feeding of lambs improved animal performance ($P<0.05$). Creep-fed lambs reached 18 kg body

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