



Influence of vitamin E and selenium supplementation on the performance, reproductive indices and metabolic status of ossimi ewes

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Abstract:

The objective of this study was to investigate the effects of pre and post-lambing intramuscular (i.m.) injections of vitamin E (VE) and selenium (Se) on the performance, reproductive indices and metabolic status of Ossimi ewes. A total of 20 pregnant ewes were divided randomly into two equal groups of ten animals. The control group (CG) was administered 3 ml of normal saline. The treated group (TG) was administered a combination of 5 mg of sodium selenite and 450 mg of VE twice weekly for 2 weeks pre and post lambing. The performance, reproductive indices, colostrum and milk mineral profiles, blood metabolites and antioxidant enzyme biomarkers were investigated in this experiment. VE and Se supplementation had a significant effect on ewe, lamb performance, colostrum and milk mineral profiles. The treated ewes lost less weight (0.7 kg) compared with the ewes in the control group (3.68 kg) on 30th day postpartum (P

Keywords:

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