Influence of dietary supplementation of various selenium sources on nutrient digestibility, growth performance and blood metabolites in male buffalo calves.

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Abstract:

SUMMARY An experiment was conducted to compare the effect of organic (selenized yeast) and inorganic (Na-selenite) selenium on nutrient digestibility, growth performance and blood parameters of growing buffalo calves. Fifteen Egyptian healthy male buffalo calves were divided randomly into three groups (5 animals each). The treatment groups were as follows: control group (G1) fed basal diet without selenium supplement and treated groups fed 0.22 mg Se/kg DM as either Na Selenite (G2) or selenized yeast (G3) to the concentrate mixture. All animals were fed 70% of their requirements as concentrate mixture, while wheat straw given as roughages ad libitum. The results indicated that there were significant (P

Keywords: selenium sources; growth performance; nutrient digestibility; buffalo calves

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