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EFFECTS OF SUPPLEMENTATION OF GUINEA GRASS WITH CASSAVA LEAF SILAGE O~ FEED INTAKE, DIGESTIBILITY AND NITROGEN BALANCE OF 'VEST AFRICAN DWARF GOATS

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Abstract

Silage prepared/i'om willed cassava leaves were fed 10 /lVesl African Dwarf (WAD) goals as supplement. 10 Guinea grass (Panicum mCL"l:illlumbased diels 10 determine The effects on dry molter (DM) intake, digestibility. 'of nutrients and nilrogen balance of the animals nventy fOllr WAD goals were randomly assigned in group of 6 10fOllr experimental diels. Diell, which W(LS rhe comral contained 100% Panicum maximum (PM), diet 11 contained 80% PM \neq 20% cassava lea/silage (eL.)) while diels 3 and 4 contained 60% PM + 40% CLS and 40% PM + 60% CLS, respectively. Treatment effect on DJ! il7rake was not significant. (p>0.05). The digestibility of dry maller and most of [he nUirients ;vas'~igllif;cantly i/~fILle!Iced (p<0.05) by the cassava leaf silage (eLS). Dry matter digestibility increased level of cassava leaf silage 10 40% Diets I through 3 were not significantly different in crude protein digestibility. (CPD), while diel -! Was significantly different. (p<005) from the other diets in terms of CPD. Both the nitrogen balance alld nirrogel7 rell.(Illion H'eresignificanily influenced (p<0.05) by the treaiments.

Keywords: Goats, cassava leaf silage, supplementation, N-balance, digestibility