

CONSTRUINDO SABERES, FORMANDO PESSOAS E TRANSFORMANDO A PRODUÇÃO ANIMAL

INGESTIVO BEHAVIOR OF F1 COWS DUTCH/ZEBU FED WITH DIETS CONTAINING OR NOT FORAGE PALM

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Objective to evaluate the behavior of F1 cows ingestivo Dutch/Zebu fed with diets containing or not forage Palm. The study was approved by the Ethics Committee of the Universidade Estadual de Montes Claros (Protocolo138/2017). 08 lactating cows were used. The experimental design were two Latin squares 4 X 4, simultaneous. Four experimental diets were used: 1 = sorghum silage diet; 2 = 50% diet of sorghum silage, 50% forage Palm; 3 = elephant grass diet; 4 = diet with 50% of elephant grass, 50% forage Palm. The bulky relationship: 75:25 concentrate. During the last two days of the trial period, the cows were subjected to visual observation for ingestivo evaluation every 5 minutes, and certain power times, rumination and idleness. The averages of the treatments were compared by Tukey test ($\alpha = 0.05$). Cows fed with elephant grass as forage source had higher feeding time ($P = 0.01$) compared to those fed with diets containing sorghum silage. However, the time of rumination ($P < 0.01$) and leisure ($P < 0.01$) of these animals did not differ from those who received only sorghum silage, being the medium of 8.94 hours day⁻¹ and 9.33 hours day⁻¹, respectively. Animals fed with forage Palm, bulky independent associate, showed reduced time for rumination (6.53 hours) and, consequently, 2.91 hours day⁻¹ in idleness. The number of periods ($P = 0.41$), rumination ($P = 0.28$) and leisure ($P = 0.40$) not varied in function of the diets, being the average of 6.65 hours day⁻¹, 14.21 hours day⁻¹ and 18.46 hours day⁻¹, respectively. It was also verified that the animals who received dietary forage Palm presented leisure 6.93 time minutes period in relation to animals fed with only sorghum silage and/or elephant grass as forage source (mean 32.01 minutes period of idleness; $P = 0.03$). It is concluded that the forage Palm associated with elephant grass or sorghum silage implies less rumination time and consequently greater time in idleness.

Keywords: consumption, rumination, silage, ruminal digestibility cakes

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