

Title Bromatological parameters of the hulls and dehydrated pulp of coffee (*Coffea arabica* L.) stored in different periods.

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### **Abstract**

An experiment was performed to evaluate the hull and dehydrated pulp of coffee (*Coffea arabica*) according to their bromatological composition. The experiment was conducted at the Animal Nutrition Laboratory of the UFPA Animal Science Department in Brazil between 1997 to December 1998. The dehydrated hull and pulp of the following coffee cultivars were used: Catuai, Rubi and Mundo Novo. The dry matter content, cellulose and hemicellulose did not vary with storage, cultivar and material. The dehydrated pulp had higher contents of crude protein, NDF, ADF and reduced content of EE, compared with the coffee hull. The Mundo Novo hull had higher content of CP in the dehydrated hull and pulp than the other cultivars. NDF content reduced linearly with storage time. The iron content was high in both hull and pulp. The dehydrated coffee hull and pulp had high contents of crude protein, magnesium, zinc, copper and manganese. Results indicate that dehydrated hull and pulp may be stored over a 12-month period, without any changes in their chemical composition. Generally, the coffee hull and pulp may be regarded as a medium-quality roughage but their use in cattle feeding should be limited, considering their high potassium and iron contents.