

# Summary

The trial was carried out at the Centro Nacional de Pesquisa de Gado de Leite, Coronel Pacheco, Brazil. Three sheep (43 kg liveweight) were used to estimate dry matter (DM), crude protein (CP), cell wall components (NDF and

ADF), digestibilities, and nitrogen balance of *Cratylia floribunda*. The average digestibilities were 56.7, 75.3, 54.1, and 34.2 for DM, CP, NDF, and ADF, respectively. The nitrogen balance was negative, as the sheep excreted 10.2 g more nitrogen than they ingested.

Dry matter intake was  $46 \text{ g/kg LW}^{0.75}$ , an amount below the requirement for maintenance. The potential and effective degradability obtained using the nylon bag technique in European x zebu crossbred cows were 64% and 51%, 76% and 60%, and 51% and 33%, respectively, for DM, CP, and NDF. *Cratylia floribunda* intake was low, despite the high crude protein content (26.1% to 29.2%) and its effective degradability.