

# Summary

This study was carried out in the Centro Nacional de Pesquisa de Gado de Leite (CNPGL/EMBRAPA), Coronel Pacheco, MG, Brazil, from June 1986 to April 1990. The objective was to observe changes in the botanical composition of molasses grass (*Melinis minutiflora*) plus legumes and *Brachiaria decumbens* grass pastures under

grazing. During the experiment, stocking rates were 0.4 and 1.2 AU/ha for molasses grass and braquiaria pastures, respectively. Eleven samplings were taken from 24 June 1986 to 2 April 1990, to measure the following components: *B. decumbens*, *M. minutiflora*, weeds, and legumes. Results showed a decrease in *M. minutiflora* grass and an increase in *B. decumbens* with time. The latter pasture yielded more dry matter than the first one.