

TOPIC 2 – SOIL FUNCTIONING AND BIODIVERSITY: RECENT RESEARCHES,  
PERSPECTIVES AND CONSEQUENCES FOR THE PASTURE MANAGEMENT -

Tuesday / Terça-feira / Martes / Mardi

October 17<sup>th</sup>, 2000, 10 h 30 – 11 h 30

9 Soil macroinvertebrates diversity as effected by tropical pastures.

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The diversity of soil macroinvertebrates groups in tropical pasture system (*Brachiaria decumbens* and *Panicum maximum* cv. Tobiata) was evaluated and compared with a natural system both located at the Centro de Pesquisas de Pecuária do Sudeste-EMBRAPA, through Shannon diversity index. These data were subjected to the Tukey's method of multiple comparison. The results showed that the macroinvertebrates diversity were equal between pasture and native systems during the dry season. The results suggested that the macroinvertebrates communities of the pastures developed a new equilibrium state, with maintenance of diversity.

- Monoliths, litter, climatic conditions, natural system.