

# Summary

**Brazilian Cerrado areas planted with *Andropogon gayanus* Kunth var. *Bisquamulatus* cv. Planaltina were identified and quantified using color satellite TM-Landsat images on photographic paper, followed by field surveys. The satellite images were analyzed in the laboratory of the Centro de Pesquisa Agropecuária dos Cerrados (EMBRAPA/CPAC). This survey covered 898,800 ha in Silvânia and São Miguel do Araguaia in Goiás, and Unaí in Minas Gerais.**

The results showed that the identification of *A. gayanus* is possible using Landsat images; also, that the area cultivated in the Cerrado regions analyzed has increased, which would indicate good acceptance of this grass species.