

Summary

Adaptation and DM production of 35 forage legume ecotypes harvested after every 3, 6, 9, and 12 weeks of growth in maximum and minimum rainfall periods in a Red and Yellow Latosol of the Unidade de Execução de Pesquisa de Âmbito Estadual (UEPAE), Porto Velho, Brazil, were evaluated between March 1985 and October 1989.

The highest DM productions at 12 weeks of growth in the maximum rainfall period were obtained with *Stylosanthes capitata* CIAT 1318, *S. guianensis* var. *pauciflora* CIAT 2203 and 1286, *S. macrocephala* CIAT 2039 and 2053, and *S. guianensis* var. *vulgaris* 2950. During the minimum rainfall period, the most productive ecotypes were *S. guianensis* var. *pauciflora* CIAT 1095, *Z. glabra* CIAT 7847, *S. guianensis* cv. Bandeirante, *C. acutifolium* CIAT 5277, and *S. macrocephala* CIAT 2053 and 2039.