

Summary

At the Barrerito Experiment Station (lat. 26° S, 57° W, 125 m.a.s.l., and 1500 mm rainfall) of the Paraguayan Ministry of Agriculture and Livestock, the adaptation and productivity of 26 ecotypes and accessions of *Leucaena leucocephala* were evaluated between 1986 and 1989. The seedling were planted in the field 1 m apart, and were cut 50 cm above the ground level when they reached an average height of 2 m.

After three years of evaluations, *L. leucocephala* CIAT 17495, 17498, 734, 17493, and 7385 ecotypes demonstrated the highest leaf dry-matter production (> 6.0 t/ha). The crude

protein content of the foliage was 28.4%. The results of the trial show that *Leucaena* can adapt successfully to subtropical regions.