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The study indicates that marginal lands should be managed under silvipastoral systems to

minimize fodder and fuel shortage and enrich soil nutrients. The economic appraisal of two silvipastoral systems, i.e. *Leucaena leucocephala* (var. K-8) + *Leucaena leucocephala* (var. EL Salvador)(LL system) and *Leucaena leucocephala* (var. K-8) + Napier grass under it (LN system) alongwith traditional crops of *Sesamum* + *Taramira* (ST system) was made. LL system was found most economical as B/C ratio at 12% discount rate was found to be 1.69 against 1.3 from LN system and 1.1 from ST system. Highest annuity (Rs. 2,388) at 12% discount rate was obtained from LL over LN (Rs. 1,139) and ST (Rs. 286). ST system was most sensitive to cost fluctuations. The system was marginally economic when cost increased to 10% with benefits remaining the same. It ceased to be economic with 10% increase in costs and 10% decrease in benefits.