

945. Singh, B., Verma, B. and Monappa, K. 1968. Afforestation and grassland improvement in ravine lands for small-scale industries and dairy development-I. Proc. Symp. on Forests and Forest-based industries, Soc. of Indian Foresters, New Forest, Dehradun. Abs. No. 25: 95-96.

Studies conducted at Vasad (Gujarat) revealed the suitability of *Dendrocalamus strictus* (Bamboo), *Gmelina arborea* (Gamhar) and *Eucalyptus camaldulensis* for planting in gully beds; *Dalbergia sissoo* (Sisham) on gully slopes; and *Acacia catechu*, *A. benthamii*, *A. tortilis* and *A. arabica* on gully humps and marginal lands. Sample closure of ravine lands against grazing and fires resulted in improving grassland production by about 48 per cent, while closure combined with soil conservation measures of gully plugging and check dams etc., enhanced the forage production by 76.5 per cent as compared to the initial level of production. The application of fertilizers at  $N_{20}P_{20}$  with soil scarification gave about 180 per cent higher forage yield.