

797. **Singh, B., Majumdar, S.K. and Verma, B. 1968.** Effect of various cultural operations with or without seeding and fertilizer on grassland development. *Indian For.*, 94(6):463-473.

Cultural operations like control, harrowing, ploughing and furrowing at 1 m interval and three seeding and fertilizer treatments (no seeding or fertilizer, seeding with a mixture of *Cenchrus ciliaris* and *Dichanthium annulatum* and seeding as above with fertilizer application @ 20 kg N and 20 P<sub>2</sub>O<sub>5</sub>/ha) were tried at Vasad (Gujarat). Ploughing gave significantly higher yield of forage production than all other cultural operations but at the same time, reduced the basal cover per cent of the grasses to a considerable extent. Furrowing was better than harrowing in overall performance. Out of two grass species used for seeding, *Cenchrus ciliaris* developed higher percentage composition in the stand. Furrowing combined with seeding of *Cenchrus ciliaris* has been found to be a comparatively suitable practice for grassland development on marginal lands and humps of ravine areas.