
Agro-alfo-horticulture systems integrating Leucaena, lemon, papaya and turmeric on class
Irrigated land in Shiwalik foothills provided sustainable mean net returns of Rs. 17,060 against Rs. 7,852 ha\(^{-1}\)yr\(^{-1}\) from double cropped agricultural system. The intercropping cluster beans with *leucaena* gave the highest net returns of Rs. 3,540 ha\(^{-1}\)yr\(^{-1}\) in the agrosilvicultural system adopted on class II land. *Eucalyptus tereticornis* (Smith) in top *bhabar* grass (*Eulaliopsis binata* Retz) in the understorey on a sandy loam class III land gave mean air dry grass yield of 4.2 (used for paper pulp) from October and 1.19 t ha\(^{-1}\) (used for fodder) from June cut. The net returns from grass alone were Rs. 4,672 against Rs. 1,679 ha\(^{-1}\)yr\(^{-1}\) from rainfed field crops raised on an adjoining plot. The returns from trees would be additional. *Bhabar* grass raised under *Acacia* species on a 25 to 30\% sloping gravelly class IV land provided yield varying from 2.18 to 4.31 from October cut and 0.50 to 1.1 t ha\(^{-1}\)yr\(^{-1}\) from June cut with 6 years mean of 3.9 t ha\(^{-1}\)yr\(^{-1}\) which at 19\% gross returns had net return of Rs. 2,402 ha\(^{-1}\).