- 209. Dyal, S.K.N., Grewal, S.S. and Singh, Shiv Charan. 1996. An agri-silvi-horticultural system to optimize production and cash returns for Shiwalik foothills. *Indian J. Soil Conserv.*, 24(2):150-155.
- Results of an agri-silvi-horticulture system (ASHS), integrating Leucaena leucocephala (subabul) var. K-8 as border row for fuelwood and fodder/organic mulch and manure.

Baramasi (lemon) in the next peripheral row, Carica papaya Dew (1.8 x 1.8 m) in the main plot and shade loving, Curcuma longa (turmeric conducted for first 5 years under irrigated and then for 3 years under rain a well drained sandy loam soil of Shiwalik foothills near Chandigarh h Leucaena plants attained an average basal girth of 26.3 and 41.2 cm selected first and second rotation of 4 years. The mean airdry branchwood yield from Leucaena was 4.70 and 5.11 and folio whereas fruit yield obtained from papaya was 4.24 and 1.94 t h Lemon gave 1.10 and 0.86 t ha-1 and turmeric (tuber) 0.89 and 0.53 t ha-1 and without irrigation, respectively. The mean annual net returns were Rs. 17, The 15,092 under ASHS as against Rs. 7,752 and Rs. 3,342 ha-1 from agriculture maize + blackgram/wheat + mustard/maize + wheat) under irrigation conditions, respectively. The ASHS was found superior than agricultu

ander both cituations