

191. Dadhwal, K.S., Tomar, V.P.S., Pratap Narain, Singh, R.K., Singh, Ravender and Dhruva Narayana, V.V. 1988. Some agroforestry studies in Doon Valley of Uttar Pradesh, India. Workshop of the All India Coordinated Research Project on Agroforestry, CSSRI, Karnal, April 26-30, 1988.

Diagnostic survey and some management studies in agroforestry were conducted under "All India Coordinated Research Project on Agroforestry". Preferences of 240 farmers for agroforestry systems were evaluated and the rating was - agri-horti > agri-silvi > silvi-pastoral > horti-pastoral. Under management studies the influence of boundary row trees, planting direction, trenching, mulching and manuring were seen on rainfed crops. Trees affected the crop yields upto 5-6 m distance from tree base line, trenching minimised the yield loss of rainfed wheat whereas no significant effect of aspect was noticed on the yield of crops in early stages of tree growth (one and a half years old). Higher yields of rainfed wheat and maize were recorded with *Leucocephala* mulch, whereas ginger yield was enhanced with *Shorea robusta* leaves mulch and 40 t/ha FYM application.