

Rama Mohan Rao, M.S., Srivastva, A.K. and Patil, S.L. 1995. Intercropping of *rabi* sorghum under rainfed Vertisols. *Indian J. Dryland Agric. Res. & Dev.*, 10(1): 48-54.

Results of a field experiment conducted during 1981-85 to identify suitable intercrops with *rabi* sorghum and optimum proportion under the semi-arid conditions of Karnataka are presented. Maximum yields (sorghum grain equivalent) were recorded with pure sorghum while minimum with pure intercrops. Under intercropping systems, highest sorghum grain yield equivalent was in sorghum + field beans and the lowest in sorghum + chickpea. Highest average grain yield equivalent was recorded under sole sorghum (1:0)(3224 kg/ha) followed by 3:1 (3148 kg/ha) and lowest in intercrop (0:1)(1591 kg/ha). Field beans when grown as intercrop in 3:1 ratio, resulted in highest mean yield index (116.2) LER (1.16) and monetary advantage index (5966).