

529. **Srivastva, A.K., Verma, B., Singhal, A.K. and Sewa Ram. 1986.** Role of intercropping in stabilizing production under rainfed agriculture. In: "Soil Conservation in India". Eds. R.K.Gupta & M.L.Khybri, IAS&WC, Dehradun: 157-163.

An experiment was conducted on intercropping at Kota (Rajasthan) during 1976-80. Pigeonpea+blackgram (1:1) was highest in gram yield followed by pigeonpea+sorghum (1:1) and pigeonpea+greengram (1:1) giving 1583, 1495 and 1344 kg/ha, respectively and at par with pigeonpea+sorghum (1:1) in energy value of grain yield (5.31, 5.32 and 4.56 million K calories/ha, respectively). Intercropping in 1:1 ratio was either superior or at par with 1:2 and 1:3 ratios. Greengram was most consistent over four years (cv 45%) followed by blackgram (cv 49%), pigeonpea (cv 61%) and sorghum (cv 79%). Intercropping recorded higher rainfall productivity (15-18 kg grain/cm rain) than pure pigeonpea (10 kg grain/cm rain), higher income by 155 to 208% than pure pigeonpea.