

Prasad, S.N., Verma, B., Prasad, A. and Srivastava, A.K. 1989. Alley cropping in *Leucaena* for higher productivity and profitability in south-eastern Rajasthan. *Indian J. Soil Conserv.*, 17(1): 30-34.

A field experiment was conducted for six years to evaluate the productivity and profitability of alley cropping to *Leucaena* (*Leucaena leucocephala* (Lam.) de Wit.) Hawaiian Giant 'K-5' at Kota. *Leucaena* lines spaced 3.75 m apart reduced the grain yield of sorghum,

sorghum+pigeonpea (1:1) and pigeonpea+blackgram (1:1) by 14, 16 and 16%, respectively. Corresponding reduction in *Leucaena* fodder yield was 72, 86 and 71%, respectively when compared with its pure stand. The LER value of *Leucaena* with sorghum (1.14) and pigeonpea + blackgram (1.13) were higher than unity while sorghum+pigeonpea (0.98)