in two years out of three years of study.

**500. Singh, Pratap, Mittal, S.P. and Agnihotri, Y. 1996.** Moisture use efficiency and yield of mustard as affected by pre sowing irrigation and grass mulch. *Indian J. Soil Conserv.*, 24(2): 128-131.

Results of a field experiment conducted for three years on sandy loam soil of Chandigarh to study the effect of pre-sowing irrigation and mulch on water use efficiency and yield of mustard, revealed that pre-sowing irrigation had no significant effect on yield and yield attributing characters over control. However, under pre-sowing irrigation treatment, water use efficiency increased by 7.2 per cent over control. Application of grass mulch @ 6 t $ha^{-1}$ resulted in significantly higher mustard yield as compared to other mulch treatments. Water use efficiency, straw yield and yield attributing characters were also higher with 6 t $ha^{-1}$ mulch compared to control. This treatment also increased straw yield, net returns and water use efficiency by 35.5, 75.2 and 62.4 per cent.