

328. **Nitant, H.C., Singh, Pratap and Bhan, S. 1990.** Nutrient management in eroded soils for mustard production. Pre-session Volume, Third IWRS National Symposium on "Watershed Development and Management", CSAU, Kanpur, Feb. 02-04, 1990: 134-144.

Moisture conservation practices such as ridging and furrowing with weedicide following mulch in *Kharif* have been found very effective in conserving soil moisture for cultivation of mustard in eroded soils. *Moong*-mustard and *Urd*-mustard crop rotation has a great promise in fertility build up and moisture conservation. Application of nitrogen has a definite advantage, crop grown at conserved soil profile moisture (138-165 mm) require 60 to 80 kg N/ha for better yields. Application of irrigation without proper nitrogen dose may lead to wasteful use of water. Three irrigations are necessary when crop is fertilized with nitrogen at 120 kg/ha whereas two irrigations are enough with the application of 40 to 80 kg N/ha. Irrigation at flowering and podfilling stages of mustard gave better results.