

been worked out and the yield-fertilizer relationships are presented.

- 134. Agarwal, M.C., Mohan, S.C., Dhyani, B.L. and Nirmal Kumar. 1996.** Fertilizer response functions to rainfed crops in north-western low hills region. *Indian J. Soil Conserv.*, 24(1): 80-84.

The paper deals with fertilizer studies conducted under rainfed conditions of Doon Valley in randomized complete block design for paddy, maize, sesame, barley and wheat with various combinations of nitrogen and phosphorus. Quadratic response surface equations and isoquant curves were estimated on the average of three to four years data for each crop separately. The most economic doses of N and P for various crops worked out were : wheat (62, 61), barley (73, 37); sesame (24, 36); maize (146, 51) and paddy (146, 87) kg ha<sup>-1</sup>.