

135. **Agnihotri, Y., Mittal, S.P., Grewal, S.S. and Sud, A.D. 1992.** Response surface equation for prediction of maize yield through combination of organic and inorganic sources of Nitrogen. *Indian J. Soil Conserv.*, 20(3): 89-91.

An attempt has been made to develop the response surface equation through the use of combination of the two sources of nitrogen (*Leucaena* leaves and fertilizer) for predicting maize yield under rainfed condition of Shiwalik foothills. Economics of manuring was worked out with the actual yield data, value of yield and the cost of input. The maximum profit was obtained through the combination of 40 kg N ha<sup>-1</sup> through *Leucaena* leaves + 40 kg N ha<sup>-1</sup> through fertilizer followed by the treatment 80 kg N ha<sup>-1</sup> through *Leucaena* leaves alone.