

194. Bhatnagar, L.S., Chauhan, R.S. and Mohan, S.C. 1979. Influence of tillage and semazine on weed growth, loss of nutrients and yield of rainfed maize. *J. Indian Soc. Soil Sci.*, 27(2): 158-160.

Three years average results of an experiment on weed control in rainfed maize crop indicated that under shallow tillage, weed growth was as high as 7.2 t/ha which could be brought down to 2.5 t/ha by combined effect of deep tillage and semazine application. Simultaneously, the same treatment brought down loss of nutrients from 53, 18, 24 kg/ha to 25, 8, 11 kg/ha of N,

165. **Bhushan, L.S. and Singh, Gurmel. 1979.** Yield on nutrient uptake by rainfed direct sown rice as affected by N & P fertilization. *Fertilizer News*, (3): 125-127.

3-year results of a field study conducted on silty loam soil under sub-humid climate of Dehradun to find out the most optimum dose of N and P fertilizers for direct sown rainfed rice indicated that grain yield of rice increased with added N and P upto 160 kg N and 80 kg P/ha but increase in yield above 80 kg N/ha was marginal. The N and P uptake by plant was also increased substantially upto 80 kg N and 17.5 kg P/ha only. Thus, the yield as well as the nutrients, uptake data suggest the desirability of adding 80 kg N + 17.5 kg P/ha to the direct sown upland rice.