

416. Rama Mohan Rao, M.S., Agnihotri, R.C. and Patil, S.L. 1994. Response of *rabi* sorghum to levels and sources of phosphorus in the Vertisols of semi-arid tropics of Bellary. *Indian J. Dryland Agric. Res. & Dev.*, 9(2): 131-138.

Discusses results of a field experiment conducted at the Research Farm during 1975-1976 and on the farmers' field (adjacent to Research Farm) during 1978-1979 and continued till 1983-84 to know the effect of phosphorus levels and sources on the growth and yield of sorghum during *rabi*. Application of 53 and 26 kg phosphorus per ha during normal and sub-normal years of rainfall gave the highest returns at the farm and in the farmers' field. Application of phosphorus in the form of DAP gave higher grain and straw yields as compared to SSP, both during normal and sub-normal rainfall years.