

Pratap Narain, Verma, B. and Singhal, A.K. 1977. Reduction of nitrogen

fertilizer for rainfed sorghum by growing a sorghum + pigeonpea mixture. *Sorghum Newsletter*, 20: 60-61.

A study was conducted with graded doses of nitrogen (0, 25, 50 and 75 kg N/ha) with and without application of 40 kg P_2O_5 and 30 kg K_2O /ha under rainfed conditions. The mixture was sown in alternate lines of sorghum and pigeonpea at 30 cm distance. In general, nitrogen @ 25-50 kg/ha was found to have comparable yield with nitrogen @ 75 kg/ha for sorghum grain yield. It showed that a saving of 25-50 kg N/ha could be made with planting of mixture instead of a pure sorghum crop.