

436. **Sam, M.J., Bhola, S.N., Yadav, Y.S. and Prasad, A. 1982.** Response of cotton hybrids to nitrogen and phosphorus. *Indian J. Agron.*, 27(1): 13-17.

A field experiment conducted at Bellary (Karnataka) in black cotton soil under irrigated conditions during 1975-76 and 1976-77 with 2 cotton hybrids (Varalakshmi and hybrid 4), 5 levels of nitrogen (0, 40, 80, 120 and 160 kg/ha) and 2 levels of phosphorus (100 and 150 kg P_2O_5 /ha) showed that the yield of seed cotton increased significantly upto 160 kg N/ha in Varalakshmi and 120 kg N/ha in Hybrid 4. The application of phosphorus at 150 kg P_2O_5 /ha resulted significantly higher yield over 100 kg P_2O_5 /ha.