

Grewal, S.S., Sud, A.D., Mittal, S.P. and Singh, Kehar. 1982. Effect of farm yard manure and chemical fertilisers on yield of rainfed maize in Shiwalik foothills. *Indian J. Agron.*, 27(3):282-283.

An experiment was conducted at Chandigarh during *Kharif*, 1978 with four doses of nitrogen, phosphorus and potash and four ratios of fertilizer and FYM combinations. In addition to these treatments, FYM at 10 t/ha and one absolute control (without FYM and fertilizer) were also kept. Maize Ageti-76 was sown at 60x30 cm spacing on July 3, 1978 and harvested on October, 1978. The rainfall received during the crop season was 980 mm. The crop yield increased from 12.2 q/ha under control to 18.7 q/ha with 10 t/ha FYM. There was increase in maize yield with the increase in fertilizer dose under all the treatment combinations. Maize yield gradually decreased when fertilizer was replaced by FYM at all the levels. This indicates the need of chemical fertilization for higher level of maize production even under abundant supply of FYM.