Effect of nitrogen and potassium on yield, yield attributes and quality of summer pearl millet

H. L. SAKARVADIA, B. A. GOLAKIYA, K. B. PARMAR, K. B. POLARA AND P. I. JETPARA

Summary

The field experiment was conducted on medium black calcareous soils of the Instructional Farm College of Agriculture, JAU, Junagadh during summer season. The results revealed that the significantly higher grain and stover yields, yield attributes as well as quality parameters were obtained with application of N @ 120 kg ha\(^{-1}\) and K @ 120 kg ha\(^{-1}\). The grain yield of summer pearl millet increased to the tune of 49.06 and 37.27 per cent with application of 160 kg N ha\(^{-1}\) and 120 K\(_{2}O\) ha\(^{-1}\) as compared to control, respectively. The grain (3536 kg ha\(^{-1}\)) and stover (6793 kg ha\(^{-1}\)) yield of pearl millet were obtained significantly higher under combined application of N\(_{160}\) K\(_{80}\) over control i.e. N\(_0\)K\(_0\).

Key words: Nitrogen, Potassium, Pearl millet, Yield, Yield attributes