Integrated nutrient management studies on growth, quality and yield of fodder maize in Konkan region

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ABSTRACT
A field experiment was conducted to study the effect of organic and inorganic sources of nutrient alone and in combination on growth, quality and yield of fodder maize. Application of recommended dose of fertilizer coupled with farm yard manure has recorded highest green and dry matter yield of maize. Substitution of N through FYM to the extent of 25 per cent (and remaining 75 per cent through urea + 50 kg P\textsubscript{2}O\textsubscript{5} + 50 kg K\textsubscript{2}O) was recorded the best treatment amongst different combination of N through FYM and urea (73.3q ha\textsuperscript{-1} of dry matter and 278.7q ha\textsuperscript{-1} green fodder yield). Similarly the quality parameters like dry matter content, crude fat, crude protein, nitrogen free extract etc. shows significant difference with the sources of N through FYM and urea.

Key words: Maize, Nutrient, Quality, Yield.