



Response of quality protein maize (QPM) to integrated nutrient management on yield, nutrient uptake and availability of nutrients during summer

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Abstract : A field experiment was conducted at Agricultural Research Station, Arabhavi during summer 2010 to study the response of quality protein maize to integrated nutrient management practices. The experiment was laid out in randomized block design with three replications. Significantly higher grain yield (71.79 q ha^{-1}), nitrogen (217.9 kg ha^{-1}), phosphorus (29.4 kg ha^{-1}) and potassium (160.8 kg ha^{-1}) uptake and was recorded in T_1 (FYM 10 t + 100 per cent RDF) than other treatments. Available N, P_2O_5 and K_2O content of soil (235.5 , 26.5 and 271.3 kg ha^{-1} , respectively) after harvest was significantly higher in T_{10} (10 t FYM ha^{-1} + 75 per cent RDF + Sunhemp *insitu* + *Azospirillum* + PSB + Panchagavya + Jeevamrutha) as compared to the rest of the treatments.

Key Words : *Azospirillum*, Jeevamrutha, PSB, Panchagavya, QPM Sunhemp *in situ* incorporation

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