

Research Article

Effect of FYM, biofertilizers and zinc on fractions of nitrogen phosphorus and potassium in soil at 30 DAS of maize

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Summary

A field experiment was conducted to study the effect of FYM, biofertilizers (*Azotobacter* and VAM) and zinc on fraction of nitrogen, phosphorus and potassium in soil at 30 days after sowing of maize crop during two consecutive years of 2006-07 and 2007-08 at Instructional Farm, Rajasthan College of Agriculture, MPUAT, Udaipur. Incorporation of FYM alone significantly increased all the fraction of soil nitrogen, phosphorus and potassium in soil at 30 DAS of maize. Inoculation of biofertilizers significantly increased fraction of nitrogen and significantly decreased fraction of phosphorus, while failed to influence the fraction of potassium at 30 DAS of maize. Application of zinc levels failed to influence on all the fractions of N, P and K in soil at 30 DAS of maize.

Key words : 30 days maize crop, FYM, Biofertilizers, Maize, Nitrogen, Phosphorus, Potassium, Fractions

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