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Research Article

Effect of FYM, biofertilizers and zinc on dynamics of available nitrogen, phosphorus and potassium in soil under maize-wheat cropping system

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Summary

A field experiment was conducted to study the effect of FYM, biofertilizers and zinc on availability of nitrogen, phosphorus and potassium under maize-wheat cropping system during two consecutive years of 2006-07 and 2007-08 at Instructional Farm, Rajasthan College of Agriculture, MPUAT, Udaipur. Application of FYM and biofertilizers failed to improve available N, P and K of soil at earlier stage of maize crop growth, while at later stages of maize crop growth application of FYM and biofertilizers significantly improved available N, P and K content. Application of Zn levels significantly decreased P content of soil at different stages of maize crop growth and after harvesting of maize and succeeding wheat crop.

Key words : FYM, Biofertilizers, Zinc, Nitrogen, Phosphorus, Potassium

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