

Effect of integrated nutrient management on growth, yield and economics of wheat in alluvial soils of Northern Madhya Pradesh

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ABSTRACT : A field experiment was conducted during the *rabi* season of 2013-14 and 2014-15 on sandy clay loam soil to evaluate the effect of integrated nutrient management on growth, yield and economics of wheat (*Triticum aestivum* L.) at Research Farm, College of Agriculture, Gwalior. The experiment consisted of twelve integrated nutrient management treatments. The results revealed that the significant higher plant height, number of tillers, number of earheads and plant dry weight were observed under 100% recommended dose of NPK + FYM @ 2.5 t/ha + *Azotobacter* + PSB over other INM levels. Yield attributing parameters as well as yield recorded significantly higher with application of 100% recommended dose + FYM @ 2.5 t/ha + *Azotobacter* + PSB, in most of the cases. The application of 100% recommended dose + FYM @ 2.5 t/ha + *Azotobacter* + PSB augmented highest B: C ratio up to 3.24 and 150% RDF (3.07) was the second best INM treatment.

Key Words : Yield attributes, yield, integrated nutrient management, FYM, *Azotobacter*, PSB.