



Research Paper

Effect of biofertilizers on growth, yield and economics of rice (*Oryza sativa* L.)

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ABSTRACT : A field experiment was conducted during rainy season (*Kharif*) of 2012-13 at farmer field of Katihar district adopted by Krishi Vigyan Kendra, Katihar under Bihar Agriculture University, Sabour, Bhagalpur to study the effect of biofertilizers on growth, yield and economics of rice. The experiment was laid out in Randomized Block Design (RBD) with three treatments and ten replications. Rice crop was significantly higher value of plant height, number of tillers, number of grain per panicle, test weight (g), grain and straw yield (qha^{-1}), benefit cost ratio. Maximum grain yield 65 qha^{-1} was recorded with $150 \text{ kg N} + 60 \text{ kg P}_2\text{O}_5 + 40 \text{ kg K}_2\text{O}$ with Azotobactor + PSB @ 5 kg ha^{-1} . There was significant improvement in yield attributes and economics of rice due to application of NPK @ $150+60+40$ Azotobactor and PSB 5 kg ha^{-1} .

KEY WORDS : Rice, Bio-fertilizers, Growth, Yield, Economics

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