

Effect of inorganic and bio-fertilizers on growth and yield of summer groundnut

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ABSTRACT : A field experiment was conducted during the summer season of 2011 at Research Farm, Department of Agronomy, College of Agriculture, Latur to evaluate the effect of inorganic and bio-fertilizers on growth and yield of summer groundnut. The experiment was laid out in Factorial Randomized Block Design with nine treatment combinations of three levels of fertilizers and three treatments of bio-inoculations replicated three times. The results of experiment revealed that the higher level of inorganic fertilizer (37.5:75:0 kg NPK ha⁻¹) recorded significantly maximum growth and yield attributes consequently results in higher pod yield while it was found to be at par with the fertilizer level of 25:50:0 kg NPK ha⁻¹. The seed treatment of dual inoculation of bio-fertilizers (*Rhizobium* + PSB) recorded higher growth and yield attributes.

Key Words : Summer groundnut, Inorganic fertilizers, Bio-fertilizers

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