

**ADOPTION OF COMMONLY USED INTEGRATED PEST MANAGEMENT (IPM) PRACTICES BY THE BORO RICE GROWERS****M.Z. EKRAM¹, K.Z. HOSSAIN², M.R. ISLAM³, M.S. RAHMAN⁴**

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ABSTRACT

Integrated Pest Management (IPM) practices are considered tools of eco-friendly rice cultivation. This study determines the adoption of commonly used IPM practices by the boro rice growers and explores the relationships between the adoption of commonly used IPM practices in boro rice cultivation and each of the twelve selected characteristics of the boro rice growers. Data were collected from 130 randomly selected respondents of the Baliadangi upazila under Thakurgaon district of Bangladesh. Data were collected by using an interview schedule from the respondents during 21 April to 6 May 2015. Adoption of commonly used IPM practices was measured on the basis of multiple technologies adoption quotient method. The highest proportion (57.69%) of the respondents had medium adoption, while 42.31 percent had low adoption of commonly used IPM practices in boro rice cultivation. Pearson's Product Moment Correlation co-efficient (r) results showed that training exposure, attitude towards harmful effects of chemical pesticide and contact with IPM club and FFS of the respondents had significant positive relationships with their adoption of commonly used IPM practices in boro rice cultivation. On the other hand, age, family agriculture workforce, annual family income, education, farm size, knowledge on pesticide application, awareness about environmental pollution, contact with pesticide dealers and cost of pesticide had non-significant relationship with the adoption of commonly used IPM practices in boro rice cultivation. Season long training and activation of IPM clubs are pre-requisite to increase adoption of commonly used IPM practices by the boro rice growers in a satisfactory level.

Keywords: Adoption, Pest, Integrated Pest Management (IPM) Practices, Boro rice growers