EFFECT OF BIO-SECURITY MANAGEMENT INTERVENTION ON GROWTH PERFORANCEE AND PROFITABILITY OF BROILER FARMING IN BANGLADESH DURING SUMMER

Y.ALI\*1, U.HARRIS2, S.S. JAHAN1

1 Department of Animal Husbandry and Veterinary Science, Rajshai University

2USAID Agricultural Extension Support project, DAM

\* Corresponding author: [yshila@yahoo.com](mailto:yshila@yahoo.com)

The survey study was undertaken to determine the productive and economic performances of broiler farming with or without bio-security management conditions during summer season reared in three locations of Bangladesh. Data were collected purposively from a total of 41 broiler farms considering bio & non bio-secured managed farms from identified locations by using semi structured questionnaire through direct interview. Categories of farm (bio-secured & non bio-secured) were identified using measures of bio-security standard which were based on marks. As per the bio-security standard of broiler farm, farms those got above 60 marks were treated as bio-secured farms and below 60 marks were treated as non-bio-secured farms (out of 100 marks). Of the 41 farms, 27%, 21%, 15%, 15%, 12% and 10% have 500,600,700,800 900 and 1000 broilers respectively. During summer, a significant difference was found on marketable body weight and FCR among the farm sizes. FCR was in better trend with increasing farm sizes. Results indicated that farm category and farm size had clear impact on broiler productivity. Therefore, higher BCR value was found significantly in bio-secured farms (1.17) than those of non-bio-secured managed farms (1.03).Growth performances were found higher in winter in comparison to summer. Profitability also was found to be higher in winter compared to the summer season*.* Lack of knowledge on disease outbreak& bio-security, high temperature and improper marketing facilities were the major constraints of broiler farming.It was concluded that satisfactory productive performance is achievable from broiler farming if bio-security management intervention is practiced.